

# **DIABETES**

## **LITERATURE INDEX**

**NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES**

**U.S. DEPARTMENT OF  
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# DIABETES LITERATURE INDEX

(By Authors, Hierarchy, and by Keywords in the Title)

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## Order of Arrangement

Arrangement of hierarchy  
MEDLARS terms included in hierarchy  
Hierarchical Subject Index  
Keyword Index  
Author Index

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## PREFACE

*Diabetes Literature Index* is a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases which has been prepared from MEDLARS (Medical Literature Analysis and Retrieval System) tapes furnished by the National Library of Medicine. This specialized information medium is being published to fill an existing great need in the field of diabetes and to assist the Institute in meeting its obligations to foster and support laboratory and clinical research into the nature, causes, and therapy for diabetes. Publication of *Diabetes Literature Index* makes available an index of all current scientific papers relevant to this field from the world literature.

It is hoped that the issuing of *Diabetes Literature Index* under the auspices of the National Institute of Arthritis, Metabolism, and Digestive Diseases will provide a much needed current awareness tool to scientists and will facilitate greater integration of research and clinical efforts in this field. *Diabetes Literature Index* has been published monthly since January 1966 and is cumulated at the end of each calendar year.

This publication is available free to National Institutes of Health grantees and contractors working in the field of diabetes, and libraries of medical schools. Requests from these *qualified* individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications from these qualified recipients of free copies should be addressed to:

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The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1975.

## EDITORIAL NOTE

*Diabetes Literature Index*, a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases (NIAMDD), was brought about through the cooperative efforts of two divisions of the National Institutes of Health (NIAMDD and the National Library of Medicine), a professional society (American Diabetes Association), three Universities (University of Minnesota, University of Rochester, and Case Western Reserve University) as well as a number of individual scientists. In this rather unique cooperative project, initiated in 1958, duplication of effort has been reduced to a minimum. The digital information generated from the original input of bibliographic citations to the National Library of Medicine's MEDLARS system is processed by computer in several different ways and ultimately used to compose the final printed pages of this *Diabetes Literature Index*.

Each month the MEDLARS magnetic tape furnished by the National Library of Medicine (NLM) is used for identification of the diabetes related literature. All bibliographic citations classified under subject headings which we have designated as Priority I, represent articles that are 100% diabetes-related; they are automatically copied onto a new magnetic tape and constitute over seventy percent of the citations appearing in this index. The citations appearing under Priority II and III are subject headings which include both diabetes-related and unrelated articles; these are printed on cards by the computer. The diabetes related citations are identified manually and the corresponding digital information is added to the next month's Priority I magnetic tape.

In the selection of this bibliography, diabetes-related literature has been defined in a rather arbitrary but broad, comprehensive manner with a view toward providing the widest possible coverage of related areas. To this end the following subjects have been included: the Islets of Langerhans in the pancreas, including their structure and pathologic alterations; insulin, its properties, assay, synthesis, release or degradation; the direct and indirect effects of insulin on target organs; blood glucose level, hyper- and hypo-glycemia; insulin antibodies and insulin resistance; insulin allergy; recent developments in intermediary metabolism; experimental and clinical as-

pects of diabetes, signs, symptoms, diagnosis, treatment, complications, and associated conditions. Also included are other hormones and agents whose effects are similar, opposite, synergistic or antagonistic to insulin, either in their primary or secondary effects on target organs. It should be noted that there are undoubtedly some omissions due to the empirical definition of the diabetes-related literature which was adopted and also-to the difficulties attendant in preparing such a large-scale bibliography by machine.

The *Diabetes Literature Index* is published in three formats: a hierarchical subject index, a key word in title index, and an author index. The magnetic tape version of these indexes, prepared at the University of Minnesota, is used to generate the copy for offset printing by the Government Printing Office on their Linotron.

*Hierarchical Subject Index:* This index differs from *Index Medicus* in that related terms are grouped together in a hierarchical relationship. Thus, all citations which are indexed under blood sugar, glucose tolerance, hyperglycemia, hypoglycemia, and glycosuria are grouped under the general heading "blood sugar, urine sugar and related topics." In both the Diabetes Key Word Index and in *Index Medicus* these terms are arranged alphabetically, and the corresponding citations are distributed at many different page locations. In some instances where only a few citations appear under several similar subject headings, these are grouped together under a more generic term; at times, a new non-MEDLARS index term is created to cover these groupings of subject headings. In some instances where many citations appear under a single subject heading, these are subdivided by using subheadings.

Although the hierarchical subject index is, in a sense, a miniaturized version of *Index Medicus* (dealing with the core diabetes literature) it provides a much greater depth of indexing. Many relevant citations included in the *Diabetes Literature Index* do not appear under the corresponding subject headings in *Index Medicus*; because of space limitations, only two or three of the ten or more index terms included on the MEDLARS magnetic tape are used in the printed version of *Index Medicus*. At times the reason why a given citation appears under a specific subject

heading may not be apparent from the article title. However, examination of the list of index terms for this citation (included in the Author Index under the principal author) will give the basis for this inclusion.

Beginning with the January 1971 issue, two sections are included in the Hierarchical Subject Index. In *Section 1*, "Diabetes Mellitus and Related Topics," the major subdivisions include the MEDLARS terms: Islets of Langerhans, Pancreas, Insulin, Glucagon, Blood and Urine Sugar; the subsection on "Diabetes," (Section 1.F) is extensively subdivided and many subheadings are used. In *Section 2*, "Endocrinology" is divided into subsections dealing with the individual endocrine glands. Hierarchical subject indexes related to Biochemistry and the organ systems (included in the experimental issues, published in February and March, 1969) are not included at this time; terms related to these subjects are, however, included in the Keyword Index.

A list of the subject headings included in the tree structure of the hierarchy (with their corresponding index numbers) and an alphabetic cross index of these subject headings is printed immediately preceding the Hierarchical Subject Index.

**Key Word Index:** For all of the diabetes-related literature chosen, key words in the title are identified by the computer and an expanded magnetic tape is prepared, listing the complete bibliographic citation under each key word. Most editorial decisions are made by the computer-disk-look-up-program using a master list of terms. Trivial words are deleted and specific word combinations are also selected. Abbreviations and word variant forms are replaced by the more commonly used key word. Inconsistencies between the British and American spellings are eliminated. In no case, however, is a change made within

the title itself. Words which have not appeared previously in the system are identified by the computer program and flagged for human decision.

With the publication of the hierarchical subject index, the key word index has been shortened. Diabetes is not included as a term in the key word index as it is covered in great detail in the hierarchical subject index. Although users may find the hierarchical subject index more useful for coverage of their broad interests, the key word index is advantageous in locating citations dealing with very specific terms—for example those relating to biochemistry or the organ systems. The key word index is of special value in locating citations dealing with the frontiers of diabetes research, for new terms appearing in the title are immediately included in the key word index.

**Author Index:** Because of space limitations, the printed version of *Index Medicus* excludes all but the first three authors in multiple author publications. However since the last author is often the best known, this name may be the most useful for reference or retrieval; therefore, all authors are included in the Diabetes Literature Author Index. These are automatically identified by the computer program and an alphabetized magnetic tape is prepared in which the complete bibliographic citation is included under each author. In addition, all of the index terms used by the NLM for each citation are listed under the principal author, thus providing an overview of the subject content of the article.

Users planning to systematically cover all articles appearing in a given month may do so by scanning the author index, limiting their perusal to the principal author, i.e., those citations which contain the MEDLARS index terms.

# Arrangement of the Hierarchical Index

1	SECTION 1. DIABETES MELLITUS AND RELATED TOPICS	1.E.3.5	HYPERGLYCEMIA, DRUG THERAPY
1.A	ISLANDS OF LANGERHANS	1.E.3.6	HYPERGLYCEMIA, ETIOLOGY
1.A.1	ISLANDS OF LANGERHANS, ANATOMY RELATED	1.E.3.7	HYPERGLYCEMIA, METABOLISM
1.A.2	ISLANDS OF LANGERHANS, BIOCHEMISTRY RELATED	1.E.3.8	HYPERGLYCEMIA, PHYSIOPATHOLOGY
1.A.3	ISLANDS OF LANGERHANS, PHYSIOLOGY RELATED	1.E.3.9	HYPERGLYCEMIA, URINE
1.A.4	ISLANDS OF LANGERHANS, PHARMACOLOGY RELATED	1.E.4	GLYCOSURIA
1.A.5	ISLANDS OF LANGERHANS, PATHOLOGY RELATED	1.E.4.1	GLYCOSURIA, CHEMICALLY INDUCED
1.B	PANCREAS	1.E.4.2	GLYCOSURIA, COMPLICATIONS
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1.B.2	PANCREAS, BIOCHEMISTRY RELATED	1.E.4.4	GLYCOSURIA, DRUG THERAPY
1.B.3	PANCREAS, PHYSIOLOGY RELATED	1.E.4.5	GLYCOSURIA, ENZYMOLOGY
1.B.4	PANCREAS, PHARMACOLOGY RELATED	1.E.4.6	GLYCOSURIA, ETIOLOGY
1.B.5	PANCREAS, PATHOLOGY RELATED	1.E.4.7	GLYCOSURIA, METABOLISM
1.B.6	PANCREAS, SURGERY RELATED	1.E.4.8	GLYCOSURIA, OCCURRENCE
1.B.6.1	PANCREAS, TRANSPLANTATION	1.E.5	GLYCOSURIA, RENAL
1.B.6.2	PANCREATECTOMY	1.E.6	HYPOGLYCEMIA
1.C	INSULIN	1.E.6.1	HYPOGLYCEMIA, BLOOD
1.C.1	INSULIN, BIOCHEMISTRY RELATED	1.E.6.2	HYPOGLYCEMIA, CHEMICALLY INDUCED
1.C.1.1	INSULIN, ISOLATION AND PURIFICATION	1.E.6.3	HYPOGLYCEMIA, COMPLICATIONS
1.C.1.2	INSULIN, ANALYSIS	1.E.6.4	HYPOGLYCEMIA, DIAGNOSIS
1.C.1.3	INSULIN, CHEMICAL SYNTHESIS	1.E.6.5	HYPOGLYCEMIA, DRUG THERAPY
1.C.1.4	INSULIN, BIOSYNTHESIS	1.E.6.6	HYPOGLYCEMIA, ETIOLOGY
1.C.1.5	INSULIN, METABOLISM	1.E.6.7	HYPOGLYCEMIA, METABOLISM
1.C.1.6	INSULIN, BLOOD	1.E.6.8	HYPOGLYCEMIA, PHYSIOPATHOLOGY
1.C.1.7	INSULIN, URINE	1.E.6.9	HYPOGLYCEMIA, THERAPY
1.C.2	INSULIN, PHYSIOLOGY RELATED	1.F	DIABETES
1.C.2.1	INSULIN, PHYSIOLOGY	1.F.1	ALLOXAN DIABETES (SEE SEC. 1.F.10.2)
1.C.2.2	INSULIN, SECRETION	1.F.2	DIABETES MELLITUS
1.C.3	INSULIN, PHARMACOLOGY RELATED	1.F.2.1	DIABETES MELLITUS, JUVENILE
1.C.3.1	INSULIN, PHARMACODYNAMICS	1.F.3	DIABETES, BIOCHEMISTRY RELATED
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1.C.5	INSULIN ANTIBODIES	1.F.4	DIABETES, PHYSIOPATHOLOGY
1.C.6	INSULIN RESISTANCE	1.F.5	DIABETES, IMMUNOLOGY
1.C.7	INSULIN, THERAPY RELATED	1.F.6	DIABETES COMPLICATIONS AND PATHOLOGY
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1.C.7.2	INSULIN ADMINISTRATION AND DOSAGE (SEE 1.F.9.3.1)	1.F.6.1.1	ACIDOSIS, DIABETIC
1.C.7.3	INSULIN, THERAPEUTIC USE (SEE 1.F.9.3.2)	1.F.6.1.2	DIABETIC COMA
1.C.8	INSULIN, HISTORY	1.F.6.2	DIABETIC ANGIOPATHIES
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1.D.3.1	GLUCAGON, ADMINISTRATION AND DOSAGE	1.F.7.3	DIABETES, CONGENITAL
1.D.3.2	GLUCAGON, PHARMACODYNAMICS	1.F.7.4	DIABETES, FAMILIAL AND GENETIC
1.D.3.3	GLUCAGON, TOXICITY	1.F.7.5	PREDIABETIC STATE
1.D.4	GLUCAGON, THERAPY RELATED	1.F.8	DIABETES, DIAGNOSIS RELATED
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# Arrangement of the Hierarchical Index

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# MEDLARS Terms Included in Hierarchical Index

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#### 1.A.1 ISLANDS OF LANGERHANS, ANATOMY RELATED

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[A STUDY OF THE EMBRYOGENESIS OF THE PANCREAS AND THE PROCESS OF FORMATION OF THE INSULAR APPARATUS IN THE FETUSES OF RATS WITH PREDIABETES, LATENT AND MANIFEST ALLOXAN DIABETES] Nikitin AI *Probl Endokrinol (Mosk) 19:73-8, Jul-Aug 73 (Rus)*

PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOID IN SUBHUMAN PRIMATES. Like AA, Chick WL *Am J Pathol 75:329-48, May 74 (Eng)*

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL)] Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena) 46:15-24, 1973 (Ger)*

CELLULAR COMPOSITION OF THE PANCREATIC ISLETS OF THE COMMON INDIAN FROG, RANA TIGRINA. Khanna SS, Kumar S *Acta Anat (Basel) 86:524-31, 1973 (Eng)*

ANNULATE LAMELLAE IN HEPATIC AND PANCREATIC BETA CELLS OF THE CHICK EMBRYO. I. Benzo CA *Am J Anat 140:139-43, May 74 (Eng)*

[PROCEEDINGS: 27. ELECTRICAL CHARACTERISTICS OF PANCREATIC ISLET CELLS OF THE MOUSE (AUTHORS TRANSL)] Sakamoto Y, Matthews EK *J Physiol Soc Jap 35:392, Aug-Sep 73 (Jap)*

#### 1.A.2 ISLANDS OF LANGERHANS, BIOCHEMISTRY RELATED

THE SIGNIFICANCE OF CALCIUM IN INSULIN SECRETION. ULTRASTRUCTURAL STUDIES ON IDENTIFICATION AND LOCALIZATION OF CALCIUM IN ACTIVATED AND INACTIVATED  $\beta$  CELLS OF MICE. Schafer HJ, Kloppel G *Virchows Arch [Pathol Anat] 362:231-45, 1974 (Eng)*

[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO

INSULIN] Genes SG *Fiziol Zh 20:265-72, Jan-Feb 74 (Ukr)*

PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOID IN SUBHUMAN PRIMATES. Like AA, Chick WL *Am J Pathol 75:329-48, May 74 (Eng)*

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL)] Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena) 46:15-24, 1973 (Ger)*

[THE HISTOCHEMICAL EVIDENCE OF INSULIN IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL)] Dorn A, Lorenz D, Petermann J, Beckert R *Acta Histochem (Jena) 46:42-8, 1973 (Ger)*

EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brodin S *Biochem Biophys Res Commun 56:1045-51, 27 Feb 74 (Eng)*

#### 1.A.3 ISLANDS OF LANGERHANS, PHYSIOLOGY RELATED

[CHANGES IN GLUCOSE METABOLISM IN LIVER CIRRHOSIS] Rodriguez Lopez E, Rojas L, Landa L *Rev Gastroenterol Mex 37:89-95, Mar-Apr 72 (Spa)*

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi IA *J Cell Biol 60:685-94, Mar 74 (Eng)*

MANIFESTATIONS OF DIABETES MELLITUS--THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW. Vracko R, Benditt EP *Am J Pathol 75:204-24, Apr 74 (Eng) [67]*

[PRINCIPLES OF PHYSIOPATHOLOGY: HYPOGLYCEMIA] Bonnal J *Rev Med Liege 29:217-21, 15 Apr 74 (Fre)*

[NEURO-PSYCHIATRIC SYMPTOMATOLOGY IN HYPOGLYCEMIA] Franck G *Rev Med Liege 29:223-6, 15 Apr 74 (Fre)*

[EXPERIMENTAL ALLOXAN DIABETES IN GOLDEN HAMSTERS] Lazaris IA, Korchin VI *Patol Fiziol Eksp Ter 17:72-4, Sep-Oct 73 (Rus)*

#### 1.A.4 ISLANDS OF LANGERHANS, PHARMACOLOGY RELATED

THE PRESENCE OF A FACTOR TOXIC TO PANCREATIC BETA CELLS IN SOME COLLAGENASE PREPARATIONS. Moskalewski S, Sochanska KR, Wiwatowski T *Bull Acad Pol Sci [Biol] 22:127-30, 1974 (Eng)*

THE SIGNIFICANCE OF CALCIUM IN INSULIN SECRETION. ULTRASTRUCTURAL STUDIES

ON IDENTIFICATION AND LOCALIZATION OF CALCIUM IN ACTIVATED AND INACTIVATED  $\beta$  CELLS OF MICE. Schafer HJ, Kloppel G *Virchows Arch [Pathol Anat] 362:231-45, 1974 (Eng)*

PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOID IN SUBHUMAN PRIMATES. Like AA, Chick WL *Am J Pathol 75:329-48, May 74 (Eng)*

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi IA *J Cell Biol 60:685-94, Mar 74 (Eng)*

EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brodin S *Biochem Biophys Res Commun 56:1045-51, 27 Feb 74 (Eng)*

#### 1.A.5 ISLANDS OF LANGERHANS, PATHOLOGY RELATED

CURRENT CONCEPTS IN DIAGNOSIS OF INSULINOMA. Alsever RN, Stjernholm MR *Rocky Mt Med J 71:209-12, Apr 74 (Eng)*

PANCREATIC INVOLVEMENT BY VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS IN THE HAMSTER. Gorelkin L, Jahrling PB *Am J Pathol 75:349-62, May 74 (Eng)*

HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA. Marks LJ, Steinke J, Podolsky S, Egdahl RH *Ann NY Acad Sci 230:147-60, 1974 (Eng)*

THE HUMAN PANCREATIC ISLET CELLS AND THEIR TUMORS. II. ULCEROGENIC AND DIARRHOEAGENIC TUMORS. Greider MH, Rosai J, McGuigan JE *Cancer 33:1423-43, May 74 (Eng)*

PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE. Nunes-Correa J, Lowy C, Sonksen PH *Lancet 1:837-41, 4 May 74 (Eng)*

MANIFESTATIONS OF DIABETES MELLITUS--THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW. Vracko R, Benditt EP *Am J Pathol 75:204-24, Apr 74 (Eng) [67]*

VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCARDITIS VIRUS. Hayashi K, Boucher DW, Notkins AL *Am J Pathol 75:91-102, Apr 74 (Eng)*

THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS. Castro A, Buist NR *Clin Biochem 7:81-7, Mar 74 (Eng)*

[BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD] Kaser H, Wagner HP, Zupping K, Zurbrugg R *Schweiz Med Wochenschr 104:642-5, 4 May 74 (Ger)*

## Diabetes Literature—Hierarchical Index

### 1.B PANCREAS

[EXPLORATION OF HYPOGLYCEMIA] Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)

NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW. Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

HORMONAL RESPONSES TO INTRAVENOUS AND ORAL GLUCOSE TOLERANCE TESTING IN A PATIENT WITH A GASTRINOMA AND A GASTROJEJUNOSTOMY. Massaro RP *Gastroenterology* 66:1058-62, May 74 (Eng)

### 1.B PANCREAS

[THE ENDOCRINE PANCREAS] Burgi H Z *Kranke* 67:46 PASSIM, Feb 74 (Ger)

#### 1.B.1 PANCREAS, ANATOMY RELATED

THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF. Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

[A STUDY OF THE EMBRYOGENESIS OF THE PANCREAS AND THE PROCESS OF FORMATION OF THE INSULAR APPARATUS IN THE FETUSES OF RATS WITH PREDIABETES, LATENT AND MANIFEST ALLOXAN DIABETES] Nikitin AI *Probl Endokrinol (Mosk)* 19:73-8, Jul-Aug 73 (Rus)

FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS. Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION. Kaneto A, Kajunuma H, Hayashi M, Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

#### 1.B.2 PANCREAS, BIOCHEMISTRY RELATED

ADENOSINE 3,5 CYCLIC MONOPHOSPHATE ASSAY AT 10-15 MOLE LEVEL. Cailla HL, Racine-Weisbuch MS, Delaage MA *Anal Biochem* 56:394-407, Dec 73 (Eng)

[THE CATABOLISM OF REDUCED OLIGOSACCHARIDES IN MAN AND RAT] Dierkes L, Busing G, Reinauer H Z *Ernaehrungswiss* 12:209-17, Sep 73 (Ger)

THE EFFECT OF ETHIONINE ON THE ENERGY PRODUCING METABOLISM IN THE RAT PANCREAS. I. THE INFLUENCE ON THE ACTIVITIES OF KEY ENZYMES OF VARIOUS METABOLIC PATHWAYS. Goebell H, Schmitz-Moormann P *Horm Metab Res* 5:435-9, Nov 73 (Eng)

#### 1.B.3 PANCREAS, PHYSIOLOGY RELATED

RELATIONSHIP BETWEEN INTRADUODENAL LIPOLYSIS AND GASTRIC EMPTYING. Bustos Fernandez L, Gonzalez E, Marzi A *Acta*

*Gastroenterol Latinoam* 5:57-60, Apr-Jun 73 (Eng)

[BLOOD INSULIN FOLLOWING INJECTION OF ENTEROHORMONES (PANCREOZYMIN AND SECRETIN) AND ITS CORRELATION WITH THE EXOCRINE SECRETORY FUNCTION OF THE PANCREAS IN VARIOUS AGE GROUPS IN HEALTHY SUBJECTS] Szadkowski M *Pol Tyg Lek* 29:421-3, 18 Mar 74 (Pol)

INHIBITION BY HALOTHANE OF GLUCOSE-STIMULATED INSULIN SECRETION IN ISOLATED PIECES OF RAT PANCREAS. Gingerich R, Wright PH, Paradise RR *Anesthesiology* 40:449-52, May 74 (Eng)

PARANEOPLASTIC SYNDROMES. HYPERGLYCEMIA. Cahill GF Jr *Ann NY Acad Sci* 230:161-7, 1974 (Eng)

CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS. Gerich JE, Frankel BJ, Fanska R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS. Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

FRUCTOSE POTENTIATION OF MANNITOL-INDUCED INSULIN SECRETION. Curry DL *Am J Physiol* 226:1073-6, May 74 (Eng)

EFFECTS OF ALTERNATIONS OF PLASMA FREE FATTY ACID LEVELS ON PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Schneider V, Karam JH, Noacco C *J Clin Invest* 53:1284-9, May 74 (Eng)

ADRENERGIC MODULATION OF PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Noacco C, Schneider V, Forsham PH *J Clin Invest* 53:1441-6, May 74 (Eng)

[HYPOGLYCEMIC EFFECT OF GLIPIZIDE. STUDY IN 20 DIABETIC PATIENTS WITH LOW PANCREATIC INSULIN RESERVE] Laviada E, Camara M *Prensa Med Mex* 38:297-302, Jul-Aug 73 (Spa)

[EFFECTS OF REPEATED ADMINISTRATION OF INTRAVENOUSLY INJECTED GLUCOSE ON BLOOD INSULIN AND TRIGLYCERIDES IN A GROUP OF EURINE OLD PERSONS] Cucinotta D, Ferretti G, Marchini L, Monica C, Passeri M *G Clin Med* 54:579-97, Sep 73 (Ita)

POTENTIAL MECHANISMS RESPONSIBLE FOR PRENATAL AND PERINATAL MORTALITY OR LOW VIABILITY OF SWINE. Stanton HC, Carroll JK *J Anim Sci* 38:1037-44, May 74 (Eng) [53]

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppinger K *J Pediatr* 84:821-4, Jun 74 (Eng)

#### 1.B.4 PANCREAS, PHARMACOLOGY RELATED

[BLOOD INSULIN FOLLOWING INJECTION OF ENTEROHORMONES (PANCREOZYMIN

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INHIBITION BY HALOTHANE OF GLUCOSE-STIMULATED INSULIN SECRETION IN ISOLATED PIECES OF RAT PANCREAS. Gingerich R, Wright PH, Paradise RR *Anesthesiology* 40:449-52, May 74 (Eng)

CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS. Gerich JE, Frankel BJ, Fanska R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

ADRENERGIC MODULATION OF PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Noacco C, Schneider V, Forsham PH *J Clin Invest* 53:1441-6, May 74 (Eng)

[HYPOGLYCEMIC EFFECT OF GLIPIZIDE. STUDY IN 20 DIABETIC PATIENTS WITH LOW PANCREATIC INSULIN RESERVE] Laviada E, Camara M *Prensa Med Mex* 38:297-302, Jul-Aug 73 (Spa)

#### 1.B.5 PANCREAS, PATHOLOGY RELATED

FAMILIAL CHRONIC PANCREATITIS ASSOCIATED WITH PANCREATIC LITHIASIS. Sato T, Saito Y *Am J Surg* 127:511-7, May 74 (Eng)

DIABETES MELLITUS WITH PANCREATIC ATROPHY IN ANTELOPES IN THE AMSTERDAM ZOO. Gaag I van der, Borst GH, Vroege C *Zentralbl Veterinaarmed [A]* 20:843-54, Dec 73 (Eng)

PANCREATIC INVOLVEMENT BY VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS IN THE HAMSTER. Goretin L, Jahrling PB *Am J Pathol* 75:349-62, May 74 (Eng)

THE HUMAN PANCREATIC ISLET CELLS AND THEIR TUMORS. II. ULCEROGENIC AND DIARRHOGENIC TUMORS. Greider MH, Rosai J, McGuigan JE *Cancer* 33:1423-43, May 74 (Eng)

FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES. Pitkin RM, Van Orden DE *Endocrinology* 94:1247-53, May 74 (Eng)

PANCREATOGRAPHY IN RELAPSING PANCREATITIS. Arnesjo B, Kugelberg C, Tylen U *Acta Chir Scand* 140:131-7, 1974 (Eng)

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppinger K *J Pediatr* 84:821-4, Jun 74 (Eng)

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Nozawa M, Weil R 3d, McIntosh R, Reemtsma K  
*Transplantation* 17:137-40, 1 Jan 74 (Eng)

URETERAL CONDUIT IN PANCREATIC TRANSPLANTATION. Whittaker JR, Veith FJ, Gold M, Freed S, Gliedman ML *Invest Urol* 11:315-8, Jan 74 (Eng)

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

#### 1.B.6.2 PANCREATECTOMY

A DERMATOSIS SPECIFICALLY ASSOCIATED WITH A TUMOUR OF PANCREATIC ALPHA CELLS. Sweet RD *Br J Dermatol* 90:301-8, Mar 74 (Eng)

### 1.C INSULIN

HYPOKALEMIC PERIODIC PARALYSIS. LOW ACTIVITY OF SARCOPLASMIC RETICULUM AND MUSCLE RIBOSOMES DURING AN INDUCED ATTACK. Ionescu V, Schochet SS Jr, Powers JM, Koob K, Conway TW *J Neurol Sci* 21:419-29, Apr 74 (Eng)

PROXIMAL GASTRIC VAGOTOMY WITHOUT DRAINAGE: AN EXPERIMENTAL STUDY. Hallenbeck GA, Gylestein J *Ann Surg* 179:608-17, May 74 (Eng)

3-DIAZOQUINOLINE TETRAFLUOROBORATE AS A REAGENT FOR SPECIFIC MODIFICATION OF LYSYL RESIDUES: UNIQUE STRUCTURE OF THE REACTION PRODUCT. Kanazawa M, Ishii S *Biochim Biophys Acta* 342:155-9, 14 Mar 74 (Eng)

[DIABETES AND PREGNANCY] Riet HG van, Kal J, Haspels AA *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]

#### 1.C.1 INSULIN, BIOCHEMISTRY RELATED

##### 1.C.1.1 INSULIN, ISOLATION AND PURIFICATION

[MONOCOMPONENT INSULIN] Poulsen JE *Ugeskr Laeger* 136:211-2, 21 Jan 74 (Dan)

##### 1.C.1.2 INSULIN, ANALYSIS

COMPARATIVE STUDY OF THE EFFECTS OF METOLAZONE AND OTHER DIURETICS ON POTASSIUM EXCRETION. Puschett JB, Rastegar A *Clin Pharmacol Ther* 15:398-405, Apr 74 (Eng)

INSULIN SYNTHESIS FROM NATURAL CHAINS BY MEANS OF REVERSIBLE BRIDGING COMPOUNDS. Geiger R, Obermeier R *Biochem Biophys Res Commun* 55:60-6, 1 Nov 73 (Eng)

POLYPEPTIDE SEQUENCING: USE OF DIPEPTIDYLAMINOPEPTIDASE I AND GAS CHROMATOGRAPHY-MASS SPECTROMETRY. Caprioli RM, Seifert WE Jr, Sutherland DE *Biochem Biophys Res Commun* 55:67-75, 1 Nov 73 (Eng)

PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOID IN SUBHUMAN PRIMATES. Like AA, Chick WL *Am J Pathol* 75:329-48, May 74 (Eng)

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

SIMULTANEOUS REDUCTION AND MERCURATION OF DISULFIDE BOND A6-A11 OF INSULIN BY MONOVALENT MERCURY. Sperling R, Steinberg IZ *Biochemistry* 13:2007-13, 7 May 74 (Eng)

##### 1.C.1.3 INSULIN, CHEMICAL SYNTHESIS

INSULIN SYNTHESIS FROM NATURAL CHAINS BY MEANS OF REVERSIBLE BRIDGING COMPOUNDS. Geiger R, Obermeier R *Biochem Biophys Res Commun* 55:60-6, 1 Nov 73 (Eng)

[CHEMICAL SYNTHESIS AND PROPERTIES OF PEPTIDIC HORMONE ANALOGUES (AUTHORS TRANSL)] Lutz W, Klyszejko-Stefanowicz L *Postepy Biochem* 20:35-66, 1974 (Pol)

##### 1.C.1.4 INSULIN, BIOSYNTHESIS

CURRENT CONCEPTS IN DIAGNOSIS OF INSULINOMA. Alsever RN, Stjernholm MR *Rocky Mt Med J* 71:209-12, Apr 74 (Eng)

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[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN] Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE. Nunes-Correa J, Lowy C, Sonksen PH *Lancet* 1:837-41, 4 May 74 (Eng)

FRUCTOSE POTENTIATION OF MANNULOSE-INDUCED INSULIN SECRETION. Curry DL *Am J Physiol* 226:1073-6, May 74 (Eng)

##### 1.C.1.5 INSULIN, METABOLISM

LETTER: INTRAVENOUS FEEDING. Fleat CT *Lancet* 1:757-8, 20 Apr 74 (Eng)

METABOLIC CONTROL OF PERMEABILITY IN ISOLATED MESENTERY. Rasio EA *Am J Physiol* 226:962-8, Apr 74 (Eng)

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

[GROWTH HORMONE AND INSULIN CONCENTRATIONS IN HUMAN PLASMA FLOWING FROM DIFFERENT ORGANS] Fedotov VP, Gebel' Gla, Sokolov IaA, Chestukhin VV *Probl Endokrinol (Mosk)* 19:6-9, Jul-Aug 73 (Rus)

HYPOGLYCEMIA IN ASSOCIATION WITH EXTRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA NSILA-S BY A NEW RADIORECEPTOR ASSAY. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)

[THE HISTOCHEMICAL EVIDENCE OF INSULIN IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL)] Dorn A, Lorenz D,

Petermann J, Beckert R *Acta Histochem (Jena)* 46:42-8, 1973 (Ger)

[VARIOUS RECENT USES OF HORMONES AND THEIR MECHANISM OF ACTION ON THE CELL LEVEL] Barnabei O, Orlandi C *Recent Prog Med (Roma)* 56:47-76, Jan 74 (Ita)

THE ROLE OF THE CONVOLUTED SEGMENT OF THE PROXIMAL TUBULE IN THE DISPOSAL OF 131-I-INSULIN IN THE RAT KIDNEY. Sottirai V *Am J Anat* 140:181-90, Jun 74 (Eng)

[EXPERIMENTAL ALLOXAN DIABETES IN GOLDEN HAMSTERS] Lazaris IaA, Korchin VI *Patol Fiziol Eksp Ter* 17:72-4, Sep-Oct 73 (Rus)

STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS. Vinik AI, Deppe WM S *Afr Med J* 47:518-24, 31 Mar 74 (Eng)

ON THE SPECIFICITY AND PH DEPENDENCE OF FCIN-CATALYZED HYDROLYSES. SOME COMPARISONS WITH BROMELAIN SPECIFICITY. Kortt AA, Hinds JA, Zerner B *Biochemistry* 13:2029-37, 7 May 74 (Eng)

##### 1.C.1.6 INSULIN, BLOOD

GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS. Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

WERNERS SYNDROME: METABOLIC OBSERVATIONS. Alberti KG, Young JD, Hockaday TD *Proc R Soc Med* 67:36-8, Jan 74 (Eng)

HYPERGLYCEMIA IN HYPERNATREMIC DEHYDRATION. Mandell F, Fellers FX *Clin Pediatr (Phila)* 13:367-9, Apr 74 (Eng)

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMY PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

PROCEEDINGS: INHIBITORY EFFECT OF PROPRANOLOL ON INSULIN SECRETION. Furman BL, Tayo FM *Br J Pharmacol* 49:145P, Sep 73 (Eng)

[BLOOD INSULIN FOLLOWING INJECTION OF ENTEROHORMONES (PANCREOZYMIN AND SECRETIN) AND ITS CORRELATION WITH THE EXOCRINE SECRETORY FUNCTION OF THE PANCREAS IN VARIOUS AGE GROUPS IN HEALTHY SUBJECTS] Szadkowski M *Pol Tyg Lek* 29:421-3, 18 Mar 74 (Pol)

CURRENT CONCEPTS IN DIAGNOSIS OF INSULINOMA. Alsever RN, Stjernholm MR *Rocky Mt Med J* 71:209-12, Apr 74 (Eng)

THE RATIONALE FOR THE USE OF DRUGS IN THE TREATMENT OF DIABETES MELLITUS. Kryston LJ, Shaw RA *Semin Drug Treat* 3:365-75, Spring 74 (Eng)

EFFECTS OF MEDROXYPROGESTERONE ACETATE ON CARBOHYDRATE METABOLISM. Tuttle S, Turkington VE *Obstet Gynecol* 43:685-92, May 74 (Eng)

FAMILIAL LIPOATROPHIC DIABETES WITH DOMINANT TRANSMISSION. A NEW SYNDROME. Dunnigan MG, Cochrane MA, Kelly A, Scott JW *Q J Med* 43:33-48, Jan 74 (Eng)

[CHANGES IN GLUCOSE METABOLISM IN LIVER CIRRHOSIS] Rodriguez Lopez E, Rojas L, Landa L *Rev Gastroenterol Mex* 37:89-95, Mar-Apr 72 (Spa)

# Diabetes Literature—Hierarchical Index

## 1.C INSULIN

- FLUCTUATIONS OF PLASMA GLUCOSE AND INSULIN IN CONSCIOUS DOGS RECEIVING GLUCOSE INFUSIONS.** Oskhtens M, Marsh DJ, Smith SW, Bergman RN, Yates FE *Am J Physiol* 226:910-9, Apr 74 (Eng)
- [CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN]** Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)
- LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY.** Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)
- [THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION]** Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)
- [GROWTH HORMONE AND INSULIN CONCENTRATIONS IN HUMAN PLASMA FLOWING FROM DIFFERENT ORGANS]** Fedotov VP, Gebel' G, Sokolov IaA, Chestukhin VV *Probl Endokrinol (Mosk)* 19:6-9, Jul-Aug 73 (Rus)
- CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN.** Spellacy WN, Buhl WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)
- HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA.** Marks LJ, Steinke J, Podolsky S, Egdahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)
- PARANEOPLASTIC SYNDROMES. HYPERGLYCEMIA.** Cahill GF Jr *Ann NY Acad Sci* 230:161-7, 1974 (Eng)
- CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID.** Patchefsky AS, Gordon G, Harrer WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)
- FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES.** Pitkin RM, Van Orden DE *Endocrinology* 94:1247-53, May 74 (Eng)
- THE EFFECT OF ADRENERGIC BLOCKADE ON EXERCISE-INDUCED HYPERGLUCAGONEMIA.** Harvey WD, Faloona GR, Unger RH *Endocrinology* 94:1254-8, May 74 (Eng)
- [PRADER-WILLI-LABHART-SYNDROME IN INFANCY (AUTHORS TRANSL.)]** Haberland H, Glatz J, Unterkircher R *Paediatr Paedol* 9:123-9, 1974 (Ger)
- [EFFECT OF INSULIN DEFICIENCY ON PHOSPHORUS LEVEL IN CASEIN IN GOAT MILK]** Nowak J, Lulczynska K *Pol Arch Weter* 16:193-9, 1973 (Pol)
- OZONE POISONING IN MAN: CLINICAL MANIFESTATIONS AND DIFFERENTIAL DIAGNOSIS--A REVIEW.** Clowes GH Jr, O'Donnell TF Jr, Ryan NT, Blackburn GL *Ann Surg* 179:684-96, May 74 (Eng)
- GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES.** Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)
- OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES.** Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnava H *Diabetes* 23:268-75, Apr 74 (Eng)
- DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS.** Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)
- FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS.** Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)
- CORRELATIONS OF SERUM TRIGLYCERIDE AND PREBETALIPOPROTEIN LEVELS TO THE SEVERITY OF SPONTANEOUS DIABETES IN MACACA NIGRA.** Howard CF Jr *J Clin Endocrinol Metab* 38:856-60, May 74 (Eng)
- ACUTE SUPPRESSION OF INSULIN AND GLUCOSE LEVELS BY SYNTHETIC SOMATOSTATIN IN NORMAL HUMAN SUBJECTS.** DeVane GW, Siler TM, Yen SS *J Clin Endocrinol Metab* 38:913-5, May 74 (Eng)
- HYPOGLYCEMIA IN ASSOCIATION WITH EXTRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA NSILA-S BY A NEW RADIORECEPTOR ASSAY.** Megyesi K, Kahn CR, Roth J, Gordon P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)
- PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE.** Nunes-Correa J, Lowy C, Sonksen PH *Lancet* 1:837-41, 4 May 74 (Eng)
- LONG-TERM THERAPY WITH LOW-DOSE CISCLOMIPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE.** Reyes FI, Faiman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]
- [BLOOD GLUCOSE AND PLASMA INSULIN IN TRAUMATISED RABBITS. AN EXPERIMENTAL STUDY]** Koch G *Bruns Beitr Klin Chir* 221:158-63, Mar 74 (Ger)
- GLUCAGON AND THE INSULIN: GLUCAGON RATIO IN SEVERE TRAUMA.** Lindsey CA, Faloona GR, Unger RH *Trans Assoc Am Physicians* 86:264-71, 1973 (Eng)
- [CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS]** Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)
- EFFECTS OF ALTERNATIONS OF PLASMA FREE FATTY ACID LEVELS ON PANCREATIC GLUCAGON SECRETION IN MAN.** Gerich JE, Langlois M, Schneider V, Karam JH, Noacco C *J Clin Invest* 53:1284-9, May 74 (Eng)
- ADRENERGIC MODULATION OF PANCREATIC GLUCAGON SECRETION IN MAN.** Gerich JE, Langlois M, Noacco C, Schneider V, Forsham PH *J Clin Invest* 53:1441-6, May 74 (Eng)
- A MODEL OF THE KINETICS OF INSULIN IN MAN.** Sherwin RS, Kramer KJ, Tobin JD, Insel PA, Liljenquist JE, Berman M, Andres R *J Clin Invest* 53:1481-92, May 74 (Eng)
- EFFECT OF CLOFIBRATE ON ARGININE-STIMULATED GLUCAGON AND INSULIN SECRETION IN MAN.** Eaton RP, Schade DS *Metabolism* 23:445-54, May 74 (Eng)
- [THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL.)]** Pointner H, Flegel U, Waldhauf W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)
- THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS.** Castro A, Buist NR *Clin Biochem* 7:81-7, Mar 74 (Eng)
- METABOLIC EFFECTS OF ORAL CONTRACEPTIVES.** Spellacy WN *Clin Obstet Gynecol* 17:53-64, Mar 74 (Eng) [22]
- [INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM]** Verlohren HJ, Lohmann D, Bruckner U, Pohl A, Bemm H *Dtsch Z Verdau Stoffwechselkr* 33:89-95, 1973 (Ger)
- INFLUENCE OF CARDIAC SURGERY USING CARDIO-PULMONARY BYPASS ON METABOLIC REGULATION.** Abe T *Jap Circ J* 38:13-21, Jan 74 (Eng)
- [BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD]** Kaser H, Wagner HP, Zuppinger K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)
- THE ROLE OF THE CONVOLUTED SEGMENT OF THE PROXIMAL TUBULE IN THE DISPOSAL OF 131-I-INSULIN IN THE RAT KIDNEY.** Sottirai V *Am J Anat* 140:181-90, Jun 74 (Eng)
- EFFECTS OF GLUCAGON ON ACTIVITIES OF HEPATIC ENZYMES IN SHEEP.** Brockman RP, Manns JG *Cornell Vet* 64:217-24, Apr 74 (Eng)
- [EFFECTS OF REPEATED ADMINISTRATION OF INTRAVENOUSLY INJECTED GLUCOSE ON BLOOD INSULIN AND TRIGLYCERIDES IN A GROUP OF EUCEURIC OLD PERSONS]** Cucinotta D, Ferretti G, Marchini L, Monica C, Passeri M *G Clin Med* 54:579-97, Sep 73 (Ita)
- [EXPLORATION OF HYPOGLYCEMIA]** Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)
- [TUMORAL HYPOGLYCEMIA AND ITS TREATMENT]** Debray G *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)
- INSULIN: A COMPARISON OF THE RESULTS OF PLASMA AND SERUM ASSAYS USING A DOUBLE-ANTIBODY TECHNIQUE.** Crowley MF, Garbier KJ *Clin Chim Acta* 51:345-7, 26 Mar 74 (Eng)
- ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION.** Stahl M, Girard J, Rutishauser M, Nars PW, Zuppinger K *J Pediatr* 84:821-4, Jun 74 (Eng)
- LETTER: PATHOGENESIS OF OBESITY IN PRADER-WILLI SYNDROME.** Mace J, Gotlin RW, Dubois R *J Pediatr* 84:927-8, Jun 74 (Eng)
- [PRESENT-DAY PROBLEMS OF THE THERAPEUTIC USE OF SOMATOTROPIN]** Prandota J *Postepy Hig Med Dosw* 26:793-803, Nov-Dec 72 (Pol)
- STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS.** Vinik AI, Deppe WM S *Afr Med J* 47:518-24, 31 Mar 74 (Eng)
- HORMONAL RESPONSES TO INTRAVENOUS AND ORAL GLUCOSE TOLERANCE TESTING IN A PATIENT WITH A GASTRINOMA AND A GASTROJEJUNOSTOMY.** Massaro RP *Gastroenterology* 66:1058-62, May 74 (Eng)

## 1.C.1.7 INSULIN, URINE

- THE ROLE OF THE CONVOLUTED SEGMENT OF THE PROXIMAL TUBULE IN THE DISPOSAL OF 131-I-INSULIN IN THE RAT KIDNEY.** Sottirai V *Am J Anat* 140:181-90, Jun 74 (Eng)

## 1.C.2 INSULIN, PHYSIOLOGY RELATED

### 1.C.2.1 INSULIN, PHYSIOLOGY

**LETTER: NEONATAL DIABETES.** MacDonald MJ *Lancet* 1:737, 20 Apr 74 (Eng)

**EFFECTS OF INSULIN AND 2-DEOXY-D-GLUCOSE ON PLASMA GLUCOSE LEVEL AND LATERAL HYPOTHALAMIC EATING THRESHOLD IN THE RAT.** Berthoud HR, Baettig K *Physiol Behav* 12:547-56, Apr 74 (Eng)

### 1.C.2.2 INSULIN, SECRETION

**PROCEEDINGS: MAST CELL SECRETION (HISTAMINE RELEASE) INDUCED BY 48-80: CALCIUM-DEPENDENT EXOCYTOSIS INHIBITED STRONGLY BY CYTOCHALASIN ONLY WHEN GLYCOLYSIS IS RATE-LIMITING.** Douglas WW, Ueda Y *J Physiol (Lond)* 234:97P-98P, Oct 73 (Eng)

**PROCEEDINGS: INHIBITORY EFFECT OF PROPRANOLOL ON INSULIN SECRETION.** Furman BL, Tayo FM *Br J Pharmacol* 49:145P, Sep 73 (Eng)

**INHIBITION BY HALOTHANE OF GLUCOSE-STIMULATED INSULIN SECRETION IN ISOLATED PIECES OF RAT PANCREAS.** Gingerich R, Wright PH, Paradise RR *Anesthesiology* 40:449-52, May 74 (Eng)

**[CHANGES IN GLUCOSE METABOLISM IN LIVER CIRRHOSIS]** Rodriguez Lopez E, Rojas L, Landa L *Rev Gastroenterol Mex* 37:89-95, Mar-Apr 72 (Spa)

**THE SIGNIFICANCE OF CALCIUM IN INSULIN SECRETION. ULTRASTRUCTURAL STUDIES ON IDENTIFICATION AND LOCALIZATION OF CALCIUM IN ACTIVATED AND INACTIVATED B CELLS OF MICE.** Schafer HJ, Kloppel G *Virchows Arch [Pathol Anat]* 362:231-45, 1974 (Eng)

**LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY.** Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)

**PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOID IN SUBHUMAN PRIMATES.** Like AA, Chick WL *Am J Pathol* 75:329-48, May 74 (Eng)

**CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS.** Gerich JE, Frankel BJ, Fanska R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

**GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES.** Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

**PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS.** Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

**FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS.** Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

**PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE.** Nunes-Correa J, Lowy C, Sonksen PH *Lancet* 1:837-41, 4 May 74 (Eng)

**MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT**

**AND ELECTRON MICROSCOPY.** Scheid CR, Macchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

**FRUCTOSE POTENTIATION OF MANNOSE-INDUCED INSULIN SECRETION.** Curry DL *Am J Physiol* 226:1073-6, May 74 (Eng)

**HYPERGLYCEMIC OR FEEDING RESPONSE TO GLUCOPRIVATION AND HYPOTHALAMIC GLUCORECEPTORS.** Muller EE, Pecile A, Cocchi D, Olgiati VR *Am J Physiol* 226:1100-9, May 74 (Eng)

**[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS]** Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

**[THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL)]** Pointner H, Flegel U, Waldhausl W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)

**MANIFESTATIONS OF DIABETES MELLITUS--THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW.** Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]

**[INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)]** Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL *Cah Med* 14:913-21, 30 Oct 73 (Fre)

**[HYPOGLYCEMIC EFFECT OF GLIPIZIDE. STUDY IN 20 DIABETIC PATIENTS WITH LOW PANCREATIC INSULIN RESERVE]** Laviada E, Camara M *Prensa Med Mex* 38:297-302, Jul-Aug 73 (Spa)

**[EFFECTS OF REPEATED ADMINISTRATION OF INTRAVENOUSLY INJECTED GLUCOSE ON BLOOD INSULIN AND TRIGLYCERIDES IN A GROUP OF EUCRINE OLD PERSONS]** Cucinotta D, Ferretti G, Marchini L, Monica C, Passeri M *G Clin Med* 54:579-97, Sep 73 (Ita)

**[EXPLORATION OF HYPOGLYCEMIA]** Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)

**[TUMORAL HYPOGLYCEMIA AND ITS TREATMENT]** Debry G *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)

**EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION.** Kaneto A, Kajunuma H, Hayashi M, Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

**ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION.** Stahl M, Girard J, Rutishauser M, Nars PW, Zuppinger K *J Pediatr* 84:821-4, Jun 74 (Eng)

**HORMONAL RESPONSES TO INTRAVENOUS AND ORAL GLUCOSE TOLERANCE TESTING IN A PATIENT WITH A GASTRINOMA AND A GASTROJEJUNOSTOMY.** Massaro RP *Gastroenterology* 66:1058-62, May 74 (Eng)

**ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY.** Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

## 1.C.3 INSULIN, PHARMACOLOGY RELATED

### 1.C.3.1 INSULIN, PHARMACODYNAMICS

**GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY.** Gaspard U, Sandront H, Luyckx A *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)

**PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION.** Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

**REGULATION OF MAMMALIAN FATTY-ACID SYNTHETASE. THE ROLES OF CARBOHYDRATE AND INSULIN.** Volpe JJ, Vagelos PR *Proc Natl Acad Sci USA* 71:889-93, Mar 74 (Eng)

**[PHYSIOPATHOLOGICAL AND ANATOMOClinical BASES OF SURGERY OF DUODENAL ULCER (CORTICAL, DIENCEPHALIC, HYPOPHYSEAL, PANCREATIC, ADRENAL) AND VAGOGASTRIC PATHOGENIC HYPOTHESIS]** Mandache F, Prodescu V, Constantinescu S, Vasiliu M, Ghergut A *Chirurgia (Bucur)* 23:97-110, Feb 74 (Rum)

**SERUM AND INSULIN INITIATION OF DNA SYNTHESIS IN MAMMARY GLAND EPITHELIUM IN VITRO.** Hsueh HW, Stockdale FE *J Cell Physiol* 83:297-308, Apr 74 (Eng)

**LIPOGENESIS AND INSULIN SENSITIVITY OF SINGLE FAT CELLS.** Gliemann J, Vinten J *J Physiol (Lond)* 236:499-516, Feb 74 (Eng)

**THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF.** Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

**[A NEUROPHYSIOLOGIC ANALYSIS OF THE EFFECT OF INSULIN ON THE CENTRAL NERVOUS SYSTEM]** Amiragova MG, Pokryshkin VI *Fiziol Zh SSSR* 59:1473-82, Oct 73 (Rus)

**PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS.** Ramachandran J *Life Sci* 14:993-1005, 16 Mar 74 (Eng) [52]

**LIPID CONCENTRATION IN CRYOPRECIPITATED PLASMA USED AS PERFUSION FLUID FOR KIDNEY PRESERVATION.** Brons M, Jensen EH *Scand J Urol Nephrol* 8:27-30, 1974 (Eng)

**THE SIGNIFICANCE OF CALCIUM IN INSULIN SECRETION. ULTRASTRUCTURAL STUDIES ON IDENTIFICATION AND LOCALIZATION OF CALCIUM IN ACTIVATED AND INACTIVATED B CELLS OF MICE.** Schafer HJ, Kloppel G *Virchows Arch [Pathol Anat]* 362:231-45, 1974 (Eng)

**METABOLIC CONTROL OF PERMEABILITY IN ISOLATED MESENTERY.** Rasio EA *Am J Physiol* 226:962-8, Apr 74 (Eng)

**[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN]** Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

**[THE RELATIONSHIP BETWEEN THYROID HORMONES AND THE INDUCTION OF TRYPTOPHAN OXYGENASE BY INSULIN]** Stroeve EA, Iliukhin VI *Probl Endokrinol (Mosk)* 19:82-4, Jul-Aug 73 (Rus)

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### 1.D GLUCAGON

THE EFFECT OF ADRENERGIC BLOCKADE ON EXERCISE-INDUCED HYPERGLUCAGONEMIA. Harvey WD, Faloona GR, Under RH *Endocrinology* 94:1254-8, May 74 (Eng)

EFFECTS OF INSULIN AND 2-DEOXY-D-GLUCOSE ON PLASMA GLUCOSE LEVEL AND LATERAL HYPOTHALAMIC EATING THRESHOLD IN THE RAT. Berthoud HR, Baettig K *Physiol Behav* 12:547-56, Apr 74 (Eng)

STIMULATION OF ENZYME SYNTHESIS AND INHIBITION OF DNA SYNTHESIS AND GROWTH RATE BY CYCLIC AMP DERIVATIVES IN CULTURED HEPATOMA CELLS. Wicks WD, Wijk R van, McKibbin JB *Adv Enzyme Regul* 11:117-35, 1973 (Eng)

A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA<sup>+</sup>-K<sup>+</sup> ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

MODIFICATION OF BRAIN SEROTONIN BY THE DIET. Ferstrom JD *Annu Rev Med* 25:1-8, 1974 (Eng)

THE EFFECT OF MATERNAL MALNUTRITION ON THE PROGENY IN THE RAT. STUDIES IN VITRO OF ADIPOSE TISSUE LIPOGENESIS AND LIPOPROTEIN LIPASE ACTIVITY FOLLOWING FRUCTOSE FEEDING. McLeod KI, Nestel PJ, Goldrick RB *Aust J Exp Biol Med Sci* 51:811-24, Dec 73 (Eng)

[NUCLEIC ACID CONTENT IN THE BRAIN TISSUE OF RATS AFTER THE ADMINISTRATION OF DIFFERENT DOSES OF INSULIN] Sharkov BM, Filippov SP *Biol Nauki* 2:44-6, 1974 (Rus)

CONCOMITANT EFFECTS OF INSULIN ON SURFACE MEMBRANE CONFORMATION AND POLYSOME PROFILES OF SERUM-STARVED BALB-C 3T3 FIBROBLASTS. Evans RB, Morhenn V, Jones AL, Tomkins GM *J Cell Biol* 61:95-106, Apr 74 (Eng)

PROCEEDINGS: 157. MODE OF INSULIN ACTION ON THE CELL: SEPARATIVE EFFECT OF INSULIN ON POTASSIUM AND GLUCOSE TRANSFER OF MYOCARDIUM. Imanaga I *J Physiol Soc Jap* 35:448, Aug-Sep 73 (Eng)

HYPERGLYCEMIC OR FEEDING RESPONSE TO GLUCOPRIVATION AND HYPOTHALAMIC GLUCORECEPTORS. Muller EE, Pecile A, Cocchi D, Olgiati VR *Am J Physiol* 226:1100-9, May 74 (Eng)

ANTIARRHYTHMIC AND GENERAL CARDIOVASCULAR ACTIVITY OF THE N,N-DIMETHYLQUATERNARY AMMONIUM DERIVATIVE OF BUNOLOL. Kaplan HR, Barker JW, Dugan D, Fox J, Giardino E *Arch Int Pharmacodyn Ther* 207:28-43, Jan 74 (Eng)

[MOTOR FUNCTION OF THE STOMACH IN PATIENTS WITH DUODENAL ULCER AFTER INTRAVENOUS ADMINISTRATION OF INSULIN BEFORE AND AFTER SELECTIVE VAGOTOMY] Babichenko ME *Klin Khir* 12:11-6, Dec 73 (Rus)

PROCEEDINGS: GROWTH HORMONE SECRETION DURING SLEEP IN SHORT CHILDREN: A CONTINUOUS SAMPLING STUDY. Howse PM, Rayner PH, Williams JW, Rudd BT *Arch Dis Child* 49:246, Mar 74 (Eng)

HORMONAL AND NUTRITIONAL INTER-RELATIONSHIPS AND THEIR EFFECTS ON SKELETAL MUSCLE. Trenkle A *J Anim Sci* 38:1142-9, May 74 (Eng) [50]

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RAT KIDNEY. Malbon CG, Zull JE *Biochem Biophys Res Commun* 56:952-8, 27 Feb 74 (Eng)

IMPAIRED LEUKOTACTIC RESPONSIVENESS IN PATIENTS WITH JUVENILE DIABETES MELLITUS. Hill HR, Sauls HS, Dettloff JL, Quie PG *Clin Immunol Immunopathol* 2:395-403, Apr 74 (Eng)

HORMONAL REGULATION OF TYROSINE TRANSAMINASE SYNTHESIS IN ISOLATED, RAT LIVER PERFUSED WITH SYNTHETIC MEDIUM. Otsuka H *J Biochem (Tokyo)* 75:53-8, Jan 74 (Eng)

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

THE OXIDATIVE DESATURATION OF UN-SATURATED FATTY ACIDS IN ANIMALS. Brenner RR *Mol Cell Biochem* 3:41-52, 8 Mar 74 (Eng)

A STABILIZING FACTOR FOR LIVER PHOSPHOFRUCTOKINASE. Dunaway GA Jr, Segal HL *Biochem Biophys Res Commun* 56:689-96, 4 Feb 74 (Eng)

THE ROLE OF MESSENGER RNA IN TYROSINE AMINOTRANSFERASE SUPERINDUCTION: EFFECTS OF CAMPTOTHECIN ON HEPATOMA CELLS IN CULTURE. Bushnell DE, Becker JE, Potter VR *Biochem Biophys Res Commun* 56:815-21, 4 Feb 74 (Eng)

EFFECT OF SELECTIVE AND PROXIMAL GASTRIC VAGOTOMY ON SERUM GASTRIN. Jaffe BM, Clendinnen BG, Clarke RJ, Williams JA *Gastroenterology* 66:944-53, May 74 (Eng)

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#### 1.C.3.3 INSULIN, ADVERSE EFFECTS

[LACTIC ACIDOSIS IN DIABETES MELLITUS (REVIEW OF THE LITERATURE)] Limanskaia GF, Cheban AK *Probl Endokrinol (Mosk)* 19:106-9, Jul-Aug 73 (Rus)

IMMUNOGENICITY OF SINGLE PEAK BEEF-PORK INSULIN IN DIABETIC SUBJECTS. Tantillo JJ, Karam JH, Burrill KC, Jones MA, Grodsky GM, Forsham PH *Diabetes* 23:276-81, Apr 74 (Eng)

[PRINCIPLES OF PHYSIOPATHOLOGY: HYPOGLYCEMIA] Bonnal J *Rev Med Liege* 29:217-21, 15 Apr 74 (Fre)

### 1.C.4 HYPERINSULINISM

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[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN] Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

LETTER: EXERCISES. Noakes TD *S Afr Med J* 48:74, 19 Jan 74 (Eng)

#### 1.C.4.1 INSULIN COMA

### 1.C.5 INSULIN ANTIBODIES

[MONOCOMPONENT INSULIN] Poulsen JE *Ugeskr Laeger* 136:211-2, 21 Jan 74 (Dan)

IMMUNOGENICITY OF SINGLE PEAK BEEF-PORK INSULIN IN DIABETIC SUBJECTS. Tantillo JJ, Karam JH, Burrill KC, Jones MA, Grodsky GM, Forsham PH *Diabetes* 23:276-81, Apr 74 (Eng)

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Mucchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

### 1.C.6 INSULIN RESISTANCE

[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN] Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

IMMUNOGENICITY OF SINGLE PEAK BEEF-PORK INSULIN IN DIABETIC SUBJECTS. Tantillo JJ, Karam JH, Burrill KC, Jones MA, Grodsky GM, Forsham PH *Diabetes* 23:276-81, Apr 74 (Eng)

[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS] Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

### 1.C.7 INSULIN, THERAPY RELATED

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WHICH VAGOTOMY WHICH DRAINAGE Kennedy T *Proc R Soc Med* 67:3-4, Jan 74 (Eng)

[PHYSIOLOGICAL MECHANISMS AND CRITERIA OF EVALUATION OF THE INSULIN TEST (REVIEW OF THE LITERATURE)] Postolov PM, Naumov BA *Khirurgia (Mosk)* 49:119-25, Apr 73 (Rus) [103]

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ISOLATED GROWTH HORMONE DEFICIENCY AND RELATED DISORDERS. Merimee TJ *Annu Rev Med* 25:137-42, 1974 (Eng) [20]

GROWTH HORMONE IN DYSTROPHIA MYOTONICA. Caughey JE, Koochek MH *Nz Med J* 79:685-7, 27 Feb 74 (Eng)

CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS. Sonksen PH *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)

SURGICAL THERAPY OF CHRONIC PEPTIC ULCER. PREOPERATIVE ASSESSMENT, CHOICE OF OPERATIONS, AND CONSEQUENCES. Dodsworth JM, Fischer JE *Surg Clin North Am* 54:529-47, Jun 74 (Eng) [124]

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### 1.C.8 INSULIN, HISTORY

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[ENDOCRINE CELLS OF THE HUMAN DUODENAL MUCOSA. ULTRASTRUCTURAL STUDY] Frexinos J, Balas D, Ribet A *Biol Gastroenterol (Paris)* 6:105-17, Mar 73 (Fre)

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL)] Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena)* 46:15-24, 1973 (Ger)

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### 1.D.1.1 GLUCAGON, ANALYSIS

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MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

### 1.D.1.2 GLUCAGON, METABOLISM

RESERPINE-INDUCED GLYCOGEN ACCUMULATION IN THE EPITHELIAL CELLS OF THE MOUSE CHOROID PLEXUS. Suzuki Y, Ito T *Brain Res* 70:113-22, 12 Apr 74 (Eng)

### 1.D.1.3 GLUCAGON, BLOOD

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THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF. Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

THE EFFECT OF ADRENERGIC BLOCKADE ON EXERCISE-INDUCED HYPERGLUCAGONEMIA. Harvey WD, Faloona GR, Unger RH *Endocrinology* 94:1254-8, May 74 (Eng)

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS. Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

GLUCAGON AND THE INSULIN: GLUCAGON RATIO IN SEVERE TRAUMA. Lindsey CA, Faloona GR, Unger RH *Trans Assoc Am Physicians* 86:264-71, 1973 (Eng)

EFFECTS OF ALTERNATIONS OF PLASMA FREE FATTY ACID LEVELS ON PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Schneider V, Karam JH, Noacco C *J Clin Invest* 53:1284-9, May 74 (Eng)

ADRENERGIC MODULATION OF PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Noacco C, Schneider V, Forsham PH *J Clin Invest* 53:1441-6, May 74 (Eng)

EFFECT OF CLOFIBRATE ON ARGININE-STIMULATED GLUCAGON AND INSULIN SECRETION IN MAN. Eaton RP, Schade DS *Metabolism* 23:445-54, May 74 (Eng)

EFFECTS OF GLUCAGON ON ACTIVITIES OF HEPATIC ENZYMES IN SHEEP. Brockman RP, Manns JG *Cornell Vet* 64:217-24, Apr 74 (Eng)

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppinger K *J Pediatr* 84:821-4, Jun 74 (Eng)

DEVELOPMENT AND APPLICATION OF A RADIOIMMUNOASSAY FOR PLASMA GLUCAGON. Sperling MA, DeLamater PV, Kazenelson M, Fiser RH, Fisher DA *Clin Chem* 20:566-70, May 74 (Eng)

HORMONAL RESPONSES TO INTRAVENOUS AND ORAL GLUCOSE TOLERANCE TESTING IN A PATIENT WITH A GASTRINOMA AND A GASTROJEJUNOSTOMY. Massaro RP *Gastroenterology* 66:1058-62, May 74 (Eng)

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[GASTROINTESTINAL HORMONES AND LOWER ESOPHAGEAL SPHINCTER] Siewert R, Waldeck F, Peiper HJ *Chirurg* 45:28-33, Jan 74 (Ger)

### 1.D.2.2 GLUCAGON, SECRETION

THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF. Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS. Gerich JE, Frankel BJ, Fanska R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS. Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

EFFECTS OF ALTERNATIONS OF PLASMA FREE FATTY ACID LEVELS ON PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Schneider V, Karam JH, Noacco C *J Clin Invest* 53:1284-9, May 74 (Eng)

ADRENERGIC MODULATION OF PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Noacco C, Schneider V, Forsham PH *J Clin Invest* 53:1441-6, May 74 (Eng)

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION. Kaneto A, Kajunuma H, Hayashi M, Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN

RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppinger K *J Pediatr* 84:821-4, Jun 74 (Eng)

HORMONAL RESPONSES TO INTRAVENOUS AND ORAL GLUCOSE TOLERANCE TESTING IN A PATIENT WITH A GASTRINOMA AND A GASTROJEJUNOSTOMY. Massaro RP *Gastroenterology* 66:1058-62, May 74 (Eng)

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EFFECTS OF GLUCAGON ON ACTIVITIES OF HEPATIC ENZYMES IN SHEEP. Brockman RP, Manns JG *Cornell Vet* 64:217-24, Apr 74 (Eng)

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PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION. Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

CHANGES IN HEPATIC FATTY ACID SYNTHESIS FOLLOWING GLUCAGON INJECTIONS IN VIVO. Klain GJ, Weiser PC *Biochem Biophys Res Commun* 55:76-83, 1 Nov 73 (Eng)

ADENYLATE CYCLASE ACTIVITY IN IMMATURE RABBIT LUNG. Barrett CT, Sevanian A, Kaplan SA *Pediatr Res* 8:244-7, Apr 74 (Eng)

EFFECT OF CERTAIN METABOLIC REGULATORS ON THE ACTIVITY OF LYSOSOMAL ENZYMES IN REGENERATING RAT LIVER. Chatterjee J, Pal DR, Majumder PK, Chatterjee GC *Biochem Pharmacol* 23:752-4, 1 Feb 74 (Eng)

PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS. Ramachandran J *Life Sci* 14:993-1005, 16 Mar 74 (Eng) [52]

[GASTROINTESTINAL HORMONES AND LOWER ESOPHAGEAL SPHINCTER] Siewert R, Waldeck F, Peiper HJ *Chirurg* 45:28-33, Jan 74 (Ger)

EFFECTS OF PROSTAGLANDINS ON HEPATIC ADENYLATE CYCLASE ACTIVITY AND CYCLIC ADENOSINE 3',5'-MONOPHOSPHATE CONTENT. Zenser TV, DeRubeis FR, Curnow RT *Endocrinology* 94:1404-10, May 74 (Eng)

A STUDY OF THE HORMONAL CONTROL IN VITRO OF Na<sup>+</sup>-K<sup>+</sup> ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

THE USE OF GLUCAGON DURING UPPER GASTROINTESTINAL ENDOSCOPY. Hradsky

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- M, Stockbrugger R, Dotevall G, Ostberg H *Gastrointest Endosc* 20:162, May 74 (Eng)
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- EFFECTS OF GLUCAGON ON ACTIVITIES OF HEPATIC ENZYMES IN SHEEP.** Brockman RP, Manns JG *Cornell Vet* 64:217-24, Apr 74 (Eng)
- INTERACTIONS OF PARATHYROID HORMONE AND PLASMA MEMBRANES FROM RAT KIDNEY.** Malbon CG, Zull JE *Biochem Biophys Res Commun* 56:952-8, 27 Feb 74 (Eng)
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- CHANGES IN ADENOSINE 3,5-MONOPHOSPHATE LEVEL AND PROTEIN KINASE ACTIVITY BY GLUCAGON IN RAT LIVER NUCLEI.** Higashino H, Takeda M *J Biochem (Tokyo)* 75:189-91, Jan 74 (Eng)
- HORMONAL REGULATION OF TYROSINE TRANSAMINASE SYNTHESIS IN ISOLATED, RAT LIVER PERFUSED WITH SYNTHETIC MEDIUM.** Otsuka H *J Biochem (Tokyo)* 75:53-8, Jan 74 (Eng)
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- CURRENT CONCEPTS IN DIAGNOSIS OF INSULINOMA.** Alsever RN, Stjernholm MR *Rocky Mt Med J* 71:209-12, Apr 74 (Eng)
- HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA.** Marks LJ, Steinke J, Podolsky S, Egdahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)
- [DIAGNOSIS OF GLYCOGENOSIS]** Anonymous *Paediatr Paedol* 8:88-90, 1973 (Ger)
- [EXPLORATION OF HYPOGLYCEMIA]** Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)
- STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS.** Vinik AI, Deppe WM *S Afr Med J* 47:518-24, 31 Mar 74 (Eng)
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- [EXPERIENCE WITH USING GLUCAGON IN ACUTE MYOCARDIAL INFARCT]** Golikov AP, Berestov AA, Abdrakhmanov VR, Bobkov AI *Kardiologiya* 14:37-42, Feb 74 (Rus)
- [EFFECT OF POLYPEPTIDE HORMONES ON THE LOWER ESOPHAGEAL SPHINCTER IN ACHALASIA]** Siewert R, Fruh E, Waldeck F, Schmidt H *Z Gastroenterol* 12:117-20, Mar 74 (Ger)
- [TUMORAL HYPOGLYCEMIA AND ITS TREATMENT]** Debry G *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)
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- INFLUENCE OF AGE AND CLIMATOLOGICAL VARIATIONS ON BLOOD GLUCOSE AND ADRENOMEDULLARY CATECHOLAMINES IN THE PIGEON.** Lahiri P *Acta Physiol Pol* 24:817-29, Nov-Dec 73 (Eng)
- ADRENERGIC BETA-RECEPTOR BLOCKADE AND METABOLIC RESPONSE TO CENTRIFUGATION STRESS.** Harrison MH *J Appl Physiol* 35:793-7, Dec 73 (Eng)
- INTRAVASCULAR AGGREGATION OF BLOOD CELLS AND TISSUE METABOLIC DEFECTS.** Gelin LE *Adv Exp Med Biol* 37:647-56, 1973 (Eng)
- EFFECT OF THYROID HORMONES AND DIETARY FAT ON THE INTERRELATION OF LIPID AND CARBOHYDRATE METABOLISM IN RATS.** Felt V *Endocrinol Exp (Bratisl)* 7:283-91, 1973 (Eng)
- AN IN-VITRO METHOD OF INVESTIGATING THE RATES OF TRANSCAPILLARY EXCHANGE AND NET FILTRATION BY SINGLE-INJECTION TECHNIQUE.** Aberg B, Lindahl SO *Ups J Med Sci* 78:145-9, Jul 73 (Eng)
- A COMPARISON OF SERUM VERSUS HEPARINIZED PLASMA FOR ROUTINE CHEMISTRY TESTS.** Lum G, Gambino SR *Am J Clin Pathol* 61:108-13, Jan 74 (Eng)
- [ECHINOCYTIC TRANSFORMATION OF NORMAL ERYTHROCYTES. CONTRIBUTION TO THE STUDY OF THE PATHOGENETIC MECHANISM]** D'Aquino S, Ardizzone G *Minerva Med* 64:3781-9, 17 Oct 73 (Ita)
- ACCIDENTAL HYPOTHERMIA IN AN ALCOHOLIC POPULATION.** Weyman AE, Greenbaum DM, Grace WJ *Am J Med Sci* 156:13-21, Jan 74 (Eng)
- [CHANGES IN THE CARBOHYDRATE AND FAT METABOLIC INDICES, THE STATE OF THE SYMPATHO-ADRENAL SYSTEM AND OXIDATIVE PROCESS UNDER THE EFFECT OF COLD OF DIFFERENT INTENSITIES]** Liakh LO *Fiziol Zh* 19:503-10, Jul-Aug 73 (Ukr)
- SOME EFFECTS OF FEEDING YOUNG STEERS ON A DIET DEFICIENT IN BOTH COBALT AND COPPER.** MacPherson A, Moon FE, Voss RC *Br Vet J* 129:414-26, Sep-Oct 73 (Eng)
- COLD-INDUCED THERMOGENESIS IN DOGS: ITS REDUCTION BY MODERATE HYPOXIA.** Blatteis CM, Lutherer LO *J Appl Physiol* 35:608-12, Nov 73 (Eng)
- EFFECTS OF MODIFYING UREA HYDROLYSIS IN ACUTE NEPHRECTOMY ON SURVIVAL, AMMONIA IN CECAL CONTENTS AND BLOOD METABOLITES.** Prior RL, Visek WJ *Proc Soc Exp Biol Med* 144:184-8, 1 Oct 73 (Eng)
- THE INFLUENCE OF BLOOD FLOW ON THE ABSORPTION OF 3-O-METHYLGLUCOSE FROM THE JEJUNUM OF THE RAT.** Lichtenstein B, Winne D, Naunyn Schmiedeberg's *Arch Pharmacol* 279:153-72, 14 Sep 73 (Eng)
- WERNERS SYNDROME: METABOLIC OBSERVATIONS.** Alberti KG, Young JD, Hockaday TD *Proc R Soc Med* 67:36-8, Jan 74 (Eng)
- [PHYSIOLOGICAL MECHANISMS AND CRITERIA OF EVALUATION OF THE INSULIN TEST (REVIEW OF THE LITERATURE)]** Postolov PM, Naumov BA *Khirurgiya (Mosk)* 49:119-25, Apr 73 (Rus) [103]
- LETTER: GROWTH IN DIABETIC CHILDREN.** Murthy DY, Jackson RL *Lancet* 1:736-7, 20 Apr 74 (Eng)
- [NUTRITIONAL DIRECTIONS FOR THE WHOLE POPULATION]** Wijn JF de *Ned Tijdschr Geneesk* 117:1969-75, 29 Dec 73 (Dut)
- THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC.** Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)
- A DERMATOSIS SPECIFICALLY ASSOCIATED WITH A TUMOUR OF PANCREATIC ALPHA CELLS.** Sweet RD *Br J Dermatol* 90:301-8, Mar 74 (Eng)
- OZONE POISONING IN MAN: CLINICAL MANIFESTATIONS AND DIFFERENTIAL DIAGNOSIS—A REVIEW.** Clowes GH Jr, O'Donnell TF Jr, Ryan NT, Blackburn GL *Ann Surg* 179:684-96, May 74 (Eng)
- GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES.** Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)
- PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS.** Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)
- OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES.** Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnava H *Diabetes* 23:268-75, Apr 74 (Eng)
- DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS.** Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)
- FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS.** Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)
- HOMEOSTASIS OF BODY WEIGHT IN A DIABETES CLINIC POPULATION.** Goodner CJ, Ogilvie JT *Diabetes* 23:318-26, Apr 74 (Eng)
- RACIAL DIFFERENCES IN SERUM AND URINE GLUCOSE AFTER GLUCOSE CHALLENGE.** Dales LG, Siegelbaum AB, Feldman R, Friedman GD, Seltzer CC, Collen MF *Diabetes* 23:327-32, Apr 74 (Eng)
- OBSERVATIONS DURING TREATMENT OF ACUTE PANCREATITIS WITH INSULIN AND GLUCOSE INFUSION.** Hallberg D, Theve NO *Acta Chir Scand* 140:138-42, 1974 (Eng)
- EFFECTS OF INSULIN AND 2-DEOXY-D-GLUCOSE ON PLASMA GLUCOSE LEVEL AND LATERAL HYPOTHALAMIC EATING THRESHOLD IN THE RAT.** Berthoud HR, Baettig K *Physiol Behav* 12:547-56, Apr 74 (Eng)
- THE GLYCOGEN IN SOME PARTS OF THE DIABETIC SKIN.** Posinovec J, Skrabalo Z *Experientia* 30:305-6, 15 Mar 74 (Eng)
- [PROCEEDINGS: USE OF THE ENZYMATIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS]** Marigo S, Del Nevo G, Bini PP *Quadr Scavo Diagn* 9:95-102, Mar 73 (Ita)
- HYPERGLYCEMIA OR FEEDING RESPONSE TO GLUCOPRIVATION AND**

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- HYPOTHALAMIC GLUCORECEPTORS.** Muller EE, Pecile A, Cocchi D, Olgati VR *Am J Physiol* 226:1100-9, May 74 (Eng)
- EDITORIAL: HYPOGLYCAEMIA AND PERSONALITY.** Anonymous *Br Med J* 2:134, 20 Apr 74 (Eng)
- CURRENT STATUS OF CORONARY PREVENTION. LESSONS FROM THE FRAMINGHAM STUDY.** Dawber TR, Kannel WB *Prev Med* 1:499-512, Dec 72 (Eng)
- VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCARDITIS VIRUS.** Hayashi K, Boucher DW, Notkins AL *Am J Pathol* 75:91-102, Apr 74 (Eng)
- THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS.** Castro A, Buist NR *Clin Biochem* 7:81-7, Mar 74 (Eng)
- HYPERTHYROIDISM IN PATIENTS OVER THE AGE OF 60 YEARS. CLINICAL FEATURES IN 85 PATIENTS.** Davis PJ, Davis FB *Medicine (Baltimore)* 53:161-81, May 74 (Eng)
- [INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)]** Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL *Cah Med* 14:913-21, 30 Oct 73 (Fre)
- [EXPLORATION OF HYPOGLYCEMIA]** Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)
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- THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA.** Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)
- SERUM IRON LEVELS IN OSTENSIBLY NORMAL PEOPLE.** Crosby WH, Likhite VV, O'Brien JE, Forman D *JAMA* 227:310-2, 21 Jan 74 (Eng)
- NICOTINIC ACID IN THE TREATMENT OF SCHIZOPHRENIA.** Anonymous *Med Lett Drugs Ther* 15:107-8, 21 Dec 73 (Eng)
- [BETADRENOL INFLUENCE ON CARDIOVASCULAR AND METABOLIC BEHAVIOR IN ORAL SURGERY WITH LOCAL ANESTHESIA]** Tetsch P, Brisse B, Eismann U *Dtsch Zahnärztl Z* 28:1011-5, Oct 73 (Ger)
- ECTOPIC ADRENOCORTICOTROPIN SYNDROME WITH PROSTATIC CARCINOMA.** Newmark SR, Dluhy RG, Bennett AH *Urology* 2:666-8, Dec 73 (Eng)
- INTRA-ARTICULAR INJECTION OF FLUMETHASONE SUSPENSION IN NORMAL JOINTS OF HORSES.** Van Pelt RW *Equine Vet J* 5:162-70, Oct 73 (Eng)
- 1 CARBON 14-LABELED PALMITIC ACID METABOLISM IN FASTED, LACTATING GOATS FOLLOWING NICOTINIC ACID ADMINISTRATION.** Waterman R, Schultz LH *J Dairy Sci* 56:1569-74, Dec 73 (Eng)
- [STANDARD VALUES IN WHOLE BLOOD AND SERUM OF RABBITS]** Hebold G, Bleuel H *Arzneim Forsch* 23:1079-81, Aug 73 (Ger)
- EFFECTS OF BETA ADRENERGIC BLOCKING AGENTS ON PLASMA RENIN ACTIVITY IN THE CONSCIOUS RABBIT.** Weber MA, Thornell IR, Stokes GS *J Pharmacol Exp Ther* 188:234-40, Jan 74 (Eng)
- THE METABOLIC EFFECTS OF NEUROLEPTANESTHESIA.** Dobkin AB, Pieloch PA *Int Anesthesiol Clin* 11:155-69, Fall 73 (Eng) [31]
- [DISORDER OF THE ABSORPTIVE FUNCTION OF THE SMALL INTESTINE AND OF PARIENTAL DIGESTION IN ACUTE DYSENTERY]** Iushchuk ND *Sov Med* 36:27-30, May 73 (Rus)
- OCHRATOXICOSIS IN BEAGLE DOGS. I. CLINICAL AND CLINICOPATHOLOGICAL FEATURES.** Szczech GM, Carlton WW, Tuite J *Vet Pathol* 10:135-54, 1973 (Eng)
- DETERMINATION OF GLUCOSE WITH A RESEARCH MODEL AMINOCOTOCHEM BY THE HEXOKINASE REACTION.** Hasson W, Penton JR, Widdowson GM *Clin Chem* 20:15-8, 1974 (Eng)
- DESIGN AND OPERATION OF A SIGNAL COMPARATOR TO INCREASE EFFICIENCY OF CONTINUOUS-FLOW ANALYZERS.** Neeley WE, Wardlaw S, Swinnen ME *Clin Chem* 20:78-80, 1974 (Eng)
- LETTER: IMPROVED TECHNIQUE FOR SERUM GLUCOSE ASSAY ON AUTOMATIZER.** Lott JA, Mercier JE, Durham BW *Clin Chem* 20:94-5, 1974 (Eng)
- URTERAL CONDUIT IN PANCREATIC TRANSPLANTATION.** Whittaker JR, Veith FJ, Gold M, Freed S, Gliedman ML *Invest Urol* 11:315-8, Jan 74 (Eng)
- ABSORPTION AND EXCRETION OF SORBITOL AND MANNITOL IN TRANSURETHRAL RESECTION OF THE PROSTATE.** Madsen PO, Naber KG *Invest Urol* 11:331-5, Jan 74 (Eng)
- A COMPARATIVE STUDY OF PURINE METABOLISM BY HUMAN AND PIG ERYTHROCYTES IN VITRO.** Dean BM, Simmonds HA, Cadenhead A *Biochem Pharmacol* 22:3189-98, 15 Dec 73 (Eng)
- ENFLURANE (ETHRANE) AND ISOFLURANE (FORANE): A COMPARISON WITH NINE GENERAL ANAESTHETICS DURING STRESS OF HYPOXIA (SPONTANEOUS BREATHING).** Dobkin AB, Byles PH, Levy AA *Can Anaesth Soc J* 20:782-97, Nov 73 (Eng)
- [DIFFERENCES IN GLYCEMIC CURVES IN ALBINO BN AND BLACK C57BL MICE FOLLOWING INTRAPERITONEAL ADRENALINE ADMINISTRATION]** Zbytniewski Z, Tarzynska-Kleineder J *Endokrynol Pol* 24:459-65, Nov-Dec 73 (Pol)
- THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE.** Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)
- [A SUGGESTION FOR THE ORDERING OF CLINICAL CHEMICAL LABORATORIES ACCORDING TO THE RELIABILITY OF THEIR ANALYTICAL RESULTS (AUTHORS TRANSL.)]** Bauer P, Haveloc L, Kaiser E, Scheiber V, Wohlzogen FX *Z Klin Chem Klin Biochem* 11:174-5, Apr 73 (Ger)
- [A MICROMETHOD FOR THE DETERMINATION OF LACTATE, PYRUVATE AND GLUCOSE FROM 0.1 ML OF BLOOD]** Pannier R, Klimt F *Z Med Labortech* 14:285-94, 1973 (Ger)
- SERUM COMPOSITION OF THE COELACANTH, LATIMERIA CHALUMNAE SMITH.** Griffith RW, Umminger BL, Grant BF, Pang PK, Pickford GE *J Exp Zool* 187:87-102, Jan 74 (Eng)
- GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS.** Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)
- GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY.** Gaspard U, Sandront H, Luyckx A *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)
- HYPERGLYCEMIA IN HYPERNATREMIC DEHYDRATION.** Mandell F, Fellers FX *Clin Pediatr (Phila)* 13:367-9, Apr 74 (Eng)
- AN UNUSUAL CAUSE OF FAILURE TO THRIVE.** Ziai M, Ferrier PE *Clin Pediatr (Phila)* 13:379-80, Apr 74 (Eng)
- PROCEEDINGS: INHIBITORY EFFECT OF PROPRANOLOL ON INSULIN SECRETION.** Furman BL, Tayo FM *Br J Pharmacol* 49:145P, Sep 73 (Eng)
- CURRENT CONCEPTS IN DIAGNOSIS OF INSULINOMA.** Alsever RN, Stjernholm MR *Rocky Mt Med J* 71:209-12, Apr 74 (Eng)
- THE RATIONALE FOR THE USE OF DRUGS IN THE TREATMENT OF DIABETES MELLITUS.** Kryston LJ, Shaw RA *Semin Drug Treat* 3:365-75, Spring 74 (Eng)
- THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF.** Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)
- EFFECTS OF MEDROXYPROGESTERONE ACETATE ON CARBOHYDRATE METABOLISM.** Tuttle S, Turkington VE *Obstet Gynecol* 43:685-92, May 74 (Eng)
- BRITISH DIABETES.** Oleesky S, Shreeve DR, Sutcliffe CH *Q J Med* 43:113-25, Jan 74 (Eng)
- [CHANGES IN GLUCOSE METABOLISM IN LIVER CIRRHOSIS]** Rodriguez Lopez E, Rojas L, Landa L *Rev Gastroenterol Mex* 37:89-95, Mar-Apr 72 (Spa)
- FLUCTUATIONS OF PLASMA GLUCOSE AND INSULIN IN CONSCIOUS DOGS RECEIVING GLUCOSE INFUSIONS.** Ookhtens M, Marsh DJ, Smith SW, Bergman RN, Yates FE *Am J Physiol* 226:910-9, Apr 74 (Eng)
- DEVELOPMENTAL ASPECTS OF GLUCOSE AND VFA METABOLISM IN THE GERM-FREE AND CONVENTIONAL RUMINANT.** Ponto KH, Bergen WG *J Anim Sci* 38:893-9, Apr 74 (Eng)
- LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY.** Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)
- CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN.** Spellacy WN, Buhl WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)
- PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOIDS IN SUBHUMAN PRIMATES.** Like AA, Chick WL *Am J Pathol* 75:329-48, May 74 (Eng)
- HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA.** Marks LJ, Steinke J, Podolsky S, Egdlah RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)

# 1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

EFFECTS OF ADRENERGIC AGENTS, THEOPHYLLINE AND OTHER DRUGS ON DEXTRAN EDEMA AND HISTAMINE RELEASE IN RATS. Baxter JH, Beaven MA, Horakova Z *Biochem Pharmacol* 23:1211-7, 1 Apr 74 (Eng)

LETTER: GLUCOSE INTOLERANCE AND PERIPHERAL GLUCOSE UPTAKE IN ACUTELY INTOXICATED ALCOHOLICS. Eriksson CE, Hed R, Lindblad LE, Nygren A, Sundblad L *Lancet* 1:811-2, 27 Apr 74 (Eng)

[DIAGNOSIS OF HYPOGLYCAEMIA IN NEW-BORN BABIES WITH DEXTROSTIX (AUTHORS TRANSL)] Rosegger H, Beitzke A *Paediatr Paedol* 9:104-8, 1974 (Ger)

STUDIES OF GLUCOSE INTOLERANCE IN SEPTIC INJURED PATIENTS. Gump FE, Long C, Killian P, Kinney JM *J Trauma* 14:378-88, May 74 (Eng)

PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE. Nunes-Correia J, Lowy C, Sonksen PH *Lancet* 1:837-41, 4 May 74 (Eng)

[RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cuttita F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)

DIABETIC NEPHROPATHY AND RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ *Min Med* 57:356-60, May 74 (Eng)

GROWTH HORMONE IN DYSTROPHIA MYOTONICA. Caughey JE, Koochek MH *Nz Med J* 79:685-7, 27 Feb 74 (Eng)

[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS] Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

[THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL)] Pointner H, Flegel U, Waldhauser W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)

HEPATIC PHOSPHORYLASE DEFICIENCY. ITS DIFFERENTIATION FROM OTHER HEPATIC GLYCOGENOSES. Fernandes J, Koster JF, Grose WF, Sorgedraeger N *Arch Dis Child* 49:186-91, Mar 74 (Eng)

METABOLIC EFFECTS OF ORAL CONTRACEPTIVES. Spellacy WN *Clin Obstet Gynecol* 17:53-64, Mar 74 (Eng) [22]

EFFECTS OF GLUCAGON ON ACTIVITIES OF HEPATIC ENZYMES IN SHEEP. Brockman RP, Manns JG *Cornell Vet* 64:217-24, Apr 74 (Eng)

[EFFECTS OF REPEATED ADMINISTRATION OF INTRAVENOUSLY INJECTED GLUCOSE ON BLOOD INSULIN AND TRIGLYCERIDES IN A GROUP OF EUCRINE OLD PERSONS] Cucinotta D, Ferretti G, Marchini L, Monica C, Passeri M *G Clin Med* 54:579-97, Sep 73 (Ita)

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION. Kaneto A, Kajunuma H, Hayashi M, Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppingner K *J Pediatr* 84:821-4, Jun 74 (Eng)

LETTER: PATHOGENESIS OF OBESITY IN PRADER-WILLI SYNDROME. Mace J, Gotlin RW, Dubois R *J Pediatr* 84:927-8, Jun 74 (Eng)

EVALUATION OF THE ADAPTATION OF THE GLUCOSE OXIDASE-PEROXIDASE-3-METHYL-2-BENZOTHAZOLINONE HYDRAZONE-N,N-DIMETHYLANILINE PROCEDURE TO THE TECHNICON SMA 12-60, AND COMPARISON WITH OTHER AUTOMATED METHODS FOR GLUCOSE. Carey RN, Feldbrugge D, Westgard JO *Clin Chem* 20:595-602, May 74 (Eng)

## 1.E.1.2 BLOOD SUGAR, BIOSYNTHESIS

### 1.E.1.3 BLOOD SUGAR, METABOLISM

[HEMODYNAMIC AND BIOCHEMICAL RESULTS FOLLOWING ADMINISTRATION OF ALLOPURINOL IN HEALTHY INDIVIDUALS] Szigoleit W, Taube C, Terhaag B, Forster W *Z Gesamte Inn Med* 28:465-6, 1 Aug 73 (Ger)

LACTOSE MALABSORPTION IN ETHIOPIAN CHILDREN. Habte D, Sterky G, Hjalmarsson B *Acta Paediatr Scand* 62:649-54, Nov 73 (Eng)

CHANGES IN SERUM PRE-BETA-LIPOPROTEIN FOLLOWING THE FEEDING OF SUCROSE. A PRELIMINARY TRIAL IN PHYSICALLY ACTIVE AND INACTIVE YOUNG MALE STUDENTS. Wille LE, Vellar OD, Hermansen L *J Oslo City Hosp* 23:141-56, Sep 73 (Eng)

ALTERING DIFFUSION RATES. Gainer JL, Chisholm GM *3d Adv Exp Med Biol* 37:729-31, 1973 (Eng)

TISSUE-SPECIFIC DIRECTION OF BLOOD METABOLITES. Williamson DH *Symp Soc Exp Biol* 27:283-98, 1973 (Eng) [31]

[TOXICITY AND PHARMACOLOGICAL PROPERTIES OF ANTINEOPLASTIC ANTIBIOTIC 1719 FROM THE CLASS OF DIAZO COMPOUNDS] Gol'dberg LE, Stepanova ES, Filippos'iants ST *Antibiotiki* 18:332-8, Apr 73 (Rus)

[SIGNIFICANCE OF FREE FATTY ACIDS IN MYOCARDIAL INFARCT] Bucher HW *Dtsch Med Wochenschr* 99:16 PASSIM, 4 Jan 74 (Ger)

SEX-LINKED BLOOD-GLUCOSE PATTERN IN RATS UNDER VARYING TEST CONDITIONS. Hebold G, Bleivel H *Horm Metab Res* 5:361-8, Sep 73 (Eng)

SERUM ELECTROLYTE, FLUID AND ACID-BASE BALANCE AFTER PROLONGED HEAVY EXERCISE AT LOW ENVIRONMENTAL TEMPERATURE. Refsum HE, Tveit B, Meen HD, Stromme SB *Scand J Clin Lab Invest* 32:117-22, Oct 73 (Eng)

EFFECTS OF FOOD DEPRIVATION, DISCRIMINATION EXPERIENCE AND PHYSOSTIGMINE ON CHOLINE ACETYLASE AND ACETYLCHOLINE ESTERASE IN THE DORSAL HIPPOCAMPUS AND FRONTAL CORTEX OF RATS. Izquierdo JA, Baratti CM, Torrelito M, Arevalo L, McGaugh JL *Psychopharmacologia* 33:103-10, 23 Oct 73 (Eng)

CHANGES IN BLOOD GLUCOSE LEVEL INDUCED BY SODIUM DODECYLBENZENE SULFONATE (SDBS) IN RATS. Antal M *Z Ernahrungswiss* 12:144-51, Jun 73 (Eng)

EFFECTS OF LEUCINE AND ISOLEUCINE ON NICOTINAMIDE NUCLEOTIDES OF ERYTHROCYTES. Belavady B, Rao PU, Khan L *Int J Vitam Nutr Res* 43:442-53, Apr 73 (Eng)

[OXYGEN AND GLUCOSE CONSUMPTION BY AORTIC TISSUE DURING DIETARY ADMINISTRATION OF CHOLESTEROL AND NERVOUS SYSTEM STRESS] Khomulo PS, Mytareva LV, Zakirichnaia GA *Kardiologia* 13:116-20, Jan 73 (Rus)

[UTILIZATION OF ALIMENTARY CARBOHYDRATES IN THE FATTENING CALF. 2. LACTOSE, SACCHAROSE, FRUCTOSE] Groppe J *Z Tierphysiol* 32:144-63, Nov 73 (Ger)

[STUDIES ON THE EFFECT OF SULFAMETHOXYPIRAZINE (LONGUM) ON CARBOHYDRATE METABOLISM IN DIABETIC PATIENTS] Stotter G, Riederle K *Fortschr Med* 92:442-4, 11 Apr 74 (Ger)

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES. Pitkin RM, Van Orden DE *Endocrinology* 94:1247-53, May 74 (Eng)

THE EFFECT OF ADRENERGIC BLOCKADE ON EXERCISE-INDUCED HYPERGLUCAGONEMIA. Harvey WD, Faloona GR, Unger RH *Endocrinology* 94:1254-8, May 74 (Eng)

VARIATIONS IN THE LEVEL OF HUMAN SERUM ALBUMIN DURING GLUCOSE TOLERANCE TEST. Awdeh ZL, Islam MR, Samra SA *Biochem Biophys Res Commun* 56:358-62, 23 Jan 74 (Eng)

ALTERED GROWTH HORMONE HOMEOSTASIS DURING ACUTE BACTERIAL SEPSIS IN THE RHESUS MONKEY. Rayfield EJ, George DT, Beisel WR *J Clin Endocrinol Metab* 38:746-54, May 74 (Eng)

INHIBITION OF HYPOGLYCEMIA-INDUCED CORTISOL SECRETION BY THE SEROTONIN ANTAGONIST CYPROHEPTADINE. Plonk JW, Bivens CH, Feldman JM *J Clin Endocrinol Metab* 38:836-40, May 74 (Eng)

CORRELATIONS OF SERUM TRIGLYCERIDE AND PREBETALIPOPROTEIN LEVELS TO THE SEVERITY OF SPONTANEOUS DIABETES IN MACACA NIGRA. Howard CF Jr *J Clin Endocrinol Metab* 38:856-60, May 74 (Eng)

ACUTE SUPPRESSION OF INSULIN AND GLUCOSE LEVELS BY SYNTHETIC SOMATOSTATIN IN NORMAL HUMAN SUBJECTS. DeVane GW, Siler TM, Yen SS *J Clin Endocrinol Metab* 38:913-5, May 74 (Eng)

THE HYPEROSMOLAR STATE. Loeb JN *N Engl J Med* 290:1184-7, 23 May 74 (Eng) [6]

[BLOOD GLUCOSE AND PLASMA INSULIN IN TRAUMATIZED RABBITS. AN EXPERIMENTAL STUDY] Koch G *Bruns Beitr Klin Chir* 221:158-63, Mar 74 (Ger)

GLUCAGON AND THE INSULIN: GLUCAGON RATIO IN SEVERE TRAUMA. Lindsey CA, Faloona GR, Unger RH *Trans Assoc Am Physicians* 86:264-71, 1973 (Eng)

[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS] Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

EFFECTS OF ALTERNATIONS OF PLASMA FREE FATTY ACID LEVELS ON PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Schneider V, Karam JH, Noacco C *J Clin Invest* 53:1284-9, May 74 (Eng)

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- THE EFFECT OF GLUCOSE ON URINARY CATION EXCRETION DURING CHRONIC EXTRACELLULAR VOLUME EXPANSION IN NORMAL MAN.** Lennon EJ, Lemann J Jr, Piering WF, Larson LS *J Clin Invest* 53:1424-33, May 74 (Eng)
- ADRENERGIC MODULATION OF PANCREATIC GLUCAGON SECRETION IN MAN.** Gerich JE, Langlois M, Noacco C, Schneider V, Forsham PH *J Clin Invest* 53:1441-6, May 74 (Eng)
- A MODEL OF THE KINETICS OF INSULIN IN MAN.** Sherwin RS, Kramer KJ, Tobin JD, Insel PA, Liljenquist JE, Berman M, Andres R *J Clin Invest* 53:1481-92, May 74 (Eng)
- EFFECT OF CLOFIBRATE ON ARGININE-STIMULATED GLUCAGON AND INSULIN SECRETION IN MAN.** Eaton RP, Schade DS *Metabolism* 23:445-54, May 74 (Eng)
- [THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL.)]** Pointner H, Flegel U, Waldhausl W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)
- [INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM]** Verloren HJ, Lohmann D, Bruckner U, Pohl A, Bemm H *Dtsch Z Verdau Stoffwechsler* 33:89-95, 1973 (Ger)
- INFLUENCE OF CARDIAC SURGERY USING CARDIO-PULMONARY BYPASS ON METABOLIC REGULATION.** Abe T *Jap Circ J* 38:13-21, Jan 74 (Eng)
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- GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS.** Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)
- THE FORMATION OF HLA ANTIBODIES IN PREGNANCY. THE ANTIGENICITY OF ABORTED AND TERM FETUSES.** Burke J, Johansen K *J Obstet Gynaecol Br Commonw* 81:222-8, Mar 74 (Eng)
- WERNERS SYNDROME: METABOLIC OBSERVATIONS.** Alberti KG, Young JD, Hockaday TD *Proc R Soc Med* 67:36-8, Jan 74 (Eng)
- AN UNUSUAL CAUSE OF FAILURE TO THRIVE.** Ziai M, Ferrier PE *Clin Pediatr (Phila)* 13:379-80, Apr 74 (Eng)
- EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPITUITARY PATIENTS.** Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)
- LACTOSE TOLERANCE TEST ON INDONESIAN NEWBORN INFANTS.** Surjono A, Surjantoro, Sudjimin T, Ismangun *Paediatr Indones* 13:11-6, Jan 73 (Eng)
- FAMILIAL CHRONIC PANCREATITIS ASSOCIATED WITH PANCREATIC LITHIASIS.** Sato T, Saito Y *Am J Surg* 127:511-7, May 74 (Eng)
- EFFECTS OF MEDROXYPROGESTERONE ACETATE ON CARBOHYDRATE METABOLISM.** Tuttle S, Turkington VE *Obstet Gynecol* 43:685-92, May 74 (Eng)
- [CHANGES IN GLUCOSE METABOLISM IN LIVER CIRRHOSIS]** Rodriguez Lopez E, Rojas L, Landa L *Rev Gastroenterol Mex* 37:89-95, Mar-Apr 72 (Spa)
- A CLINICAL SYNDROME CHARACTERISTIC OF PRIMARY TYPE IV-V HYPERLIPOPROTEINAEMIA.** Borrie P, Slack J *Br J Dermatol* 90:245-53, Mar 74 (Eng)
- A DERMATOSIS SPECIFICALLY ASSOCIATED WITH A TUMOUR OF PANCREATIC ALPHA CELLS.** Sweet RD *Br J Dermatol* 90:301-8, Mar 74 (Eng)
- [MALABSORPTION CAUSED BY JEJUNOILEOSTOMY AS SURGICAL THERAPY OF EXTREME ADIPOSITAS]** Husemann B *Chirurg* 45:13-6, Jan 74 (Ger)
- DEVELOPMENTAL ASPECTS OF GLUCOSE AND VFA METABOLISM IN THE GERM-FREE AND CONVENTIONAL RUMINANT.** Ponto KH, Bergen WG *J Anim Sci* 38:893-9, Apr 74 (Eng)
- [LETTER: GLUCOSE TOLERANCE TEST IN THE PUERPERIUM]** Beck L *Z Geburtshilfe Perinatol* 177:453-4, Dec 73 (Ger)
- HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA.** Marks LJ, Steinke J, Podolsky S, Eggdahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)
- PARANEOPLASTIC SYNDROMES. HYPERGLYCEMIA.** Cahill GF Jr *Ann NY Acad Sci* 230:161-7, 1974 (Eng)
- LETTER: GLUCOSE INTOLERANCE AND PERIPHERAL GLUCOSE UPTAKE IN ACUTELY INTOXICATED ALCOHOLICS.** Eriksson CE, Hed R, Lindblad LE, Nygren A, Sundblad L *Lancet* 1:811-2, 27 Apr 74 (Eng)
- [PRADER-WILLI-LABHART-SYNDROME IN INFANCY (AUTHORS TRANSL.)]** Haberfellner H, Glatz J, Unterkircher R *Paediatr Paedol* 9:123-9, 1974 (Ger)
- CHROMIUM NUTRITION IN MAN.** Hambidge KM *Am J Clin Nutr* 27:505-14, May 74 (Eng)
- VARIATIONS IN THE LEVEL OF HUMAN SERUM ALBUMIN DURING GLUCOSE TOLERANCE TEST.** Awdeh ZL, Islam MR, Samra SA *Biochem Biophys Res Commun* 56:358-62, 23 Jan 74 (Eng)
- GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES.** Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)
- PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS.** Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)
- DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS.** Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)
- RACIAL DIFFERENCES IN SERUM AND URINE GLUCOSE AFTER GLUCOSE CHALLENGE.** Dales LG, Sieglau AB, Feldman R, Friedman GD, Seltzer CC, Collen MF *Diabetes* 23:327-32, Apr 74 (Eng)
- ALTERED GROWTH HORMONE HOMEOSTASIS DURING ACUTE BACTERIAL SEPSIS IN THE RHESUS MONKEY.** Rayfield EJ, George DT, Beisel WR *J Clin Endocrinol Metab* 38:746-54, May 74 (Eng)
- CORRELATIONS OF SERUM TRIGLYCERIDE AND PREBETALIPROTEIN LEVELS TO THE SEVERITY OF SPONTANEOUS DIABETES IN MACACA NIGRA.** Howard CF Jr *J Clin Endocrinol Metab* 38:856-60, May 74 (Eng)
- STUDIES OF GLUCOSE INTOLERANCE IN SEPTIC INJURED PATIENTS.** Gump FE, Long C, Killian P, Kinney JM *J Trauma* 14:378-88, May 74 (Eng)
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- LONG-TERM THERAPY WITH LOW-DOSE CISLUMPHEPINE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE.** Reyes FI, Faiman C *Int J Fertil* 19:49-55, 1974 (Eng)
- [DIAGNOSIS OF GLYCOGENOSIS]** Anonymous *Paediatr Paedol* 8:88-90, 1973 (Ger)
- ISOLATED GROWTH HORMONE DEFICIENCY AND RELATED DISORDERS.** Merimee TJ *Annu Rev Med* 25:137-42, 1974 (Eng)
- [RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST]** Vailati G, Cuttica F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)
- THE EFFECT OF PREGNANCY ON INTRAVENOUS GLUCOSE TOLERANCE.** Fisher PM, Hamilton PM, Sutherland HW, Stowers JM *J Obstet Gynaecol Br Commonw* 81:285-90, Apr 74 (Eng)
- GROWTH HORMONE IN DYSTROPHIA MYOTONICA.** Caughey JE, Koochek MH *Nz Med J* 79:685-7, 27 Feb 74 (Eng)
- [PROCEEDINGS: USE OF THE ENZYMATIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS]** Marigo S, Del Nevo G, Bini PP *Quad Sclavo Diagn* 9:95-102, Mar 73 (Ita)
- CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS.** Sonksen PH *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)
- [CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS]** Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)
- EFFECT OF CLOFIBRATE ON ARGININE-STIMULATED GLUCAGON AND INSULIN SECRETION IN MAN.** Eaton RP, Schade DS *Metabolism* 23:445-54, May 74 (Eng)
- [THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL.)]** Pointner H, Flegel U, Waldhausl W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)
- HEPATIC PHOSPHORYLASE DEFICIENCY. ITS DIFFERENTIATION FROM OTHER HEPATIC GLYCOGENOSSES.** Fernandes J, Koster JF, Grose WF, Sorgedraeger N *Arch Dis Child* 49:186-91, Mar 74 (Eng)
- THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS.** Castro A, Buist NR *Clin Biochem* 7:81-7, Mar 74 (Eng)
- [BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD]** Kaser H, Wagner HP, Zuppinger K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)

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### 1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

**KK MICE AS A MODEL OF MICROANGIOPATHIC LESIONS IN DIABETES.** Duhault J, Lebon F, Boulanger M *Bibl Anat* 11:453-8, 1973 (Eng)

**THE SMALL BLOOD VESSELS IN CHEMICAL DIABETES.** Davis E, Herman JB *Bibl Anat* 11:468-72, 1973 (Eng)

**[INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)]** Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL *Cah Med* 14:913-21, 30 Oct 73 (Fre)

**ROUTINE ULTRAMICRO-MEASUREMENT OF HUMAN GROWTH HORMONE IN PLASMA BY SOLID-PHASE RADIOIMMUNOASSAY.** Ogawa N *Endocrinol Jap* 20:587-94, Dec 73 (Eng)

**NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW.** Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

**HETEROGENEITY AND BIOCHEMICAL FINDINGS IN MANIC-MELANCHOLIC DISORDERS.** Mellerup ET, Rafaelsen OJ *Acta Psychiatr Scand* 50:104-11, 1974 (Eng)

**HORMONAL RESPONSES TO INTRAVENOUS AND ORAL GLUCOSE TOLERANCE TESTING IN A PATIENT WITH A GASTRINOMA AND A GASTROJEJUNOSTOMY.** Massaro RP *Gastroenterology* 66:1058-62, May 74 (Eng)

**ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY.** Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

#### 1.E.3 HYPERGLYCEMIA

**MANIFESTATIONS OF DIABETES MELLITUS—THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW.** Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]

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**[EFFECT OF SINGLE ADMINISTRATION OF FUROSEMIDE IN PATIENTS WITH CHRONIC LIVER DISEASE]** Dzurikova V, Brixova E, Niederland TR *Bratisl Lek Listy* 61:336-43, Mar 74 (Slo)

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**THE INTERACTION OF FAMILIAL AND SECONDARY CAUSES OF HYPERTRIGLYCERIDEMIA: ROLE IN PANCREATITIS.** Brunzell JD, Schrott HG *Trans Assoc Am Physicians* 86:245-54, 1973 (Eng)

**INTRAVASCULAR HAEMOLYSIS COMPLICATING TREATED NON-KETOTIC HYPERGLYCAEMIC DIABETIC COMA.** Blackwell SW, Burns-Cox CJ *Postgrad Med J* 49:656-7, Sep 73 (Eng)

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##### 1.E.3.5 HYPERGLYCEMIA, DRUG THERAPY

**[MANAGEMENT OF DIABETES MELLITUS]** Wechsler B *Nouv Presse Med* 3:531-4, 2 Mar 74 (Fre)

##### 1.E.3.6 HYPERGLYCEMIA, ETIOLOGY

**HYPERGLYCEMIA IN HYPERNATREMIC DEHYDRATION.** Mandell F, Fellers FX *Clin Pediatr (Phila)* 13:367-9, Apr 74 (Eng)

**[MANAGEMENT OF DIABETES MELLITUS]** Wechsler B *Nouv Presse Med* 3:531-4, 2 Mar 74 (Fre)

**[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN]** Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

**PARANEOPLASTIC SYNDROMES. HYPERGLYCEMIA.** Cahill GF Jr *Ann NY Acad Sci* 230:161-7, 1974 (Eng)

**HYPERGLYCEMIC OR FEEDING RESPONSE TO GLUCOPRIVATION AND HYPOTHALAMIC GLUCORECEPTORS.** Muller EE, Pecile A, Cocchi D, Olgiati VR *Am J Physiol* 226:1100-9, May 74 (Eng)

##### 1.E.3.7 HYPERGLYCEMIA, METABOLISM

**GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY.** Gaspard U, Sandront H, Luyckx A *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)

**THE SIGNIFICANCE OF CALCIUM IN INSULIN SECRETION. ULTRASTRUCTURAL STUDIES ON IDENTIFICATION AND LOCALIZATION OF CALCIUM IN ACTIVATED AND INACTIVATED B CELLS OF MICE.** Schafer HJ, Kloppel G *Virchows Arch [Pathol Anat]* 362:231-45, 1974 (Eng)

**[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN]** Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

**THE HYPEROSMOLAR STATE.** Loeb JN *N Engl J Med* 290:1184-7, 23 May 74 (Eng) [6]

**[BLOOD GLUCOSE AND PLASMA INSULIN IN TRAUMATISED RABBITS. AN EXPERIMENTAL STUDY]** Koch G *Bruns Beitr Klin Chir* 221:158-63, Mar 74 (Ger)

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**ROLE OF THE THYROID IN THE DEVELOPMENT OF THE OBESE-HYPERGLYCEMIC SYNDROME IN MICE (OBOD).** Joosten HF, Kroon PH *van der Metabolism* 23:425-36, May 74 (Eng)

##### 1.E.3.9 HYPERGLYCEMIA, URINE

#### 1.E.4 GLYCOSURIA

**A SIMPLE METHOD TO PREVENT VITAMIN C INTERFERENCE WITH URINARY GLUCOSE DETERMINATIONS.** Brandt R, Guyer KE, Banks WL Jr *Clin Chim Acta* 51:103-4, 28 Feb 74 (Eng)

**FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES.** Pitkin RM, Van Orden DE *Endocrinology* 94:1247-53, May 74 (Eng)

**RACIAL DIFFERENCES IN SERUM AND URINE GLUCOSE AFTER GLUCOSE CHALLENGE.** Dales LG, Siegel AB, Feldman R, Friedman GD, Seltzer CC, Collen MF *Diabetes* 23:327-32, Apr 74 (Eng)

**THE EFFECT OF GLUCOSE ON URINARY CATION EXCRETION DURING CHRONIC EXTRACELLULAR VOLUME EXPANSION IN NORMAL MAN.** Lennon EJ, Lemann J Jr, Piering WF, Larson LS *J Clin Invest* 53:1424-33, May 74 (Eng)

**THE RENAL EXCRETION OF NUTRIENTS IN PREGNANCY.** Hytten FE *Postgrad Med J* 49:625-9, Sep 73 (Eng)

**[THE GENERAL PRACTITIONERS LABORATORY WORK]** Bitzen PO *Nord Med* 89:113-5, Apr 74 (Swe)

##### 1.E.4.1 GLYCOSURIA, CHEMICALLY INDUCED

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**LETTER: GROWTH IN DIABETIC CHILDREN.** Murthy DY, Jackson RL *Lancet* 1:736-7, 20 Apr 74 (Eng)

**A DERMATOSIS SPECIFICALLY ASSOCIATED WITH A TUMOUR OF PANCREATIC ALPHA CELLS.** Sweet RD *Br J Dermatol* 90:301-8, Mar 74 (Eng)

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**EVALUATION OF THE ADAPTATION OF THE GLUCOSE OXIDASE-PEROXIDASE-3-METHYL-2-BENZOTHAZOLINONE HYDRAZONE-N,N-DIMETHYLANILINE PROCEDURE TO THE TECHNICON SMA 12-60, AND COMPARISON WITH OTHER AUTOMATED METHODS FOR GLUCOSE.** Carey RN, Feldbruegge D, Westgard JO *Clin Chem* 20:595-602, May 74 (Eng)

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## Diabetes Literature—Hierarchical Index

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HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA. Marks LJ, Steinke J, Podolsky S, Eggdahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)

[DIAGNOSIS OF HYPOGLYCAEMIA IN NEW-BORN BABIES WITH DEXTROSTIX (AUTHORS TRANSL)] Rosegger H, Beitzke A *Paediatr Paedol* 9:104-8, 1974 (Ger)

INHIBITION OF HYPOGLYCEMIA-INDUCED CORTISOL SECRETION BY THE SEROTONIN ANTAGONIST CYPROHEPTADINE. Plonk JW, Bivens CH, Feldman JM *J Clin Endocrinol Metab* 38:836-40, May 74 (Eng)

HYPOGLYCEMIA IN ASSOCIATION WITH EXTRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA NSILA-S BY A NEW RADIORECEPTOR ASSAY. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)

THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS. Castro A, Buist NR *Clin Biochem* 7:81-7, Mar 74 (Eng)

[EXPLORATION OF HYPOGLYCEMIA] Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)

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LETTER: PROPRANOLOL, HYPOGLYCEMIA, AND HYPERTENSIVE CRISIS. McMurry RJ *Ann Intern Med* 80:669-70, May 74 (Eng)

PROXIMAL GASTRIC VAGOTOMY WITHOUT DRAINAGE: AN EXPERIMENTAL STUDY. Hallenbeck GA, Gleysteen J *Ann Surg* 179:608-17, May 74 (Eng)

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### 1.E.6.3 HYPOGLYCEMIA, COMPLICATIONS

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EDITORIAL: HYPOGLYCAEMIA AND PERSONALITY. Anonymous *Br Med J* 2:134, 20 Apr 74 (Eng)

### 1.E.6.4 HYPOGLYCEMIA, DIAGNOSIS

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[PRINCIPLES OF PHYSIOPATHOLOGY: HYPOGLYCEMIA] Bonnal J *Rev Med Liege* 29:217-21, 15 Apr 74 (Fre)

[NEURO-PSYCHIATRIC SYMPTOMATOLOGY IN HYPOGLYCEMIA] Franck G *Rev Med Liege* 29:223-6, 15 Apr 74 (Fre)

[EXPLORATION OF HYPOGLYCEMIA] Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)

[TUMORAL HYPOGLYCEMIA AND ITS TREATMENT] Debry G *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)

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[NEURO-PSYCHIATRIC SYMPTOMATOLOGY IN HYPOGLYCEMIA] Franck G *Rev Med Liege* 29:223-6, 15 Apr 74 (Fre)

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[PRESENT-DAY PROBLEMS OF THE THERAPEUTIC USE OF SOMATOTROPIN] Prandota J *Postepy Hig Med Dosw* 26:793-803, Nov-Dec 72 (Pol)

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### 1.E.6.6 HYPOGLYCEMIA, ETIOLOGY

[LETTER: TERMINAL HYPOGLYCEMIA DURING WALDENSTROMS DISEASE] Bontoux D *Nouv Presse Med* 2:3123, Dec 73 (Fre)

HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA. Marks LJ, Steinke J, Podolsky S, Eggdahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)

DISTANT MANIFESTATIONS OF COLONIC CARCINOMA. Troncale FJ *Ann NY Acad Sci* 230:332-8, 1974 (Eng) [50]

CHROMIUM NUTRITION IN MAN. Hambidge KM *Am J Clin Nutr* 27:505-14, May 74 (Eng) [54]

[PRINCIPLES OF PHYSIOPATHOLOGY: HYPOGLYCEMIA] Bonnal J *Rev Med Liege* 29:217-21, 15 Apr 74 (Fre)

[NEURO-PSYCHIATRIC SYMPTOMATOLOGY IN HYPOGLYCEMIA] Franck G *Rev Med Liege* 29:223-6, 15 Apr 74 (Fre)

[TUMORAL HYPOGLYCEMIA AND ITS TREATMENT] Debry G *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)

NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW. Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS. Vinik AI, Deppe WM *S Afr Med J* 47:518-24, 31 Mar 74 (Eng)

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THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF. Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

THE SIGNIFICANCE OF CALCIUM IN INSULIN SECRETION. ULTRASTRUCTURAL STUDIES ON IDENTIFICATION AND LOCALIZATION OF CALCIUM IN ACTIVATED AND INACTIVATED B CELLS OF MICE. Schafer HJ, Kloppel G *Virchows Arch [Pathol Anat]* 362:231-45, 1974 (Eng)

RENAL KETONE BODY METABOLISM AND GLUCONEOGENESIS IN NORMAL AND HYPOGLYCEMIC SHEEP. Kaufman CF, Bergman EN *Am J Physiol* 226:827-32, Apr 74 (Eng)

RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP. Bergman EN, Kaufman CF, Wolff JE, Williams HH *Am J Physiol* 226:833-7, Apr 74 (Eng)

STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS. Vinik AI, Deppe WM *S Afr Med J* 47:518-24, 31 Mar 74 (Eng)

### 1.E.6.8 HYPOGLYCEMIA, PHYSIOPATHOLOGY

[PRINCIPLES OF PHYSIOPATHOLOGY: HYPOGLYCEMIA] Bonnal J *Rev Med Liege* 29:217-21, 15 Apr 74 (Fre)

[CEREBRAL INVOLVEMENT IN HYPOGLYCEMIA: EXPERIMENTAL NEUROPHYSIOLOGICAL BASES] Waltregny A *Rev Med Liege* 29:222-3, 15 Apr 74 (Fre)

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[TUMORAL HYPOGLYCEMIA AND ITS TREATMENT] Debry G *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)

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PATIENT EDUCATION OF DIABETICS IN A RURAL FAMILY PRACTICE. Origer WJ *Nebr Med J* 59:105-7, Apr 74 (Eng)

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P,

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[EXAMINATION OF ALVEOLAR BONE IN DIABETICS] Koray F *Istanbul Univ Dishekim Fak Derg* 7:287-326, Sep 73 (Tur)

DECENTRALIZED MEDICAL CARE OF CHRONIC DISEASE. Runyan JW Jr *Trans Assoc Am Physicians* 86:237-44, 1973 (Eng)

[DISEASES OF ORAL MUCOSA. ORAL MANIFESTATIONS OF DIABETES MELLITUS] Strassburg M, Knolle G *Quintessenz* 24:89-93, Dec 73 (Ger)

[THE ENDOCRINE PANCREAS] Burgi H Z *Kranke* 67:46 *PASSIM*, Feb 74 (Ger)

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### 1.F.3.1 DIABETES, METABOLISM

BETA CAROTENE METABOLISM IN DIABETES. Ramachandran K *Indian J Med Res* 61:1831-4, Dec 73 (Eng)

SKIN COLLAGEN IN DIABETES MELLITUS IN RELATION TO TREATMENT. Francis MJ, Ellis JP, Hockaday TD *Proc R Soc Med* 67:35-6, Jan 74 (Eng)

[TRACE ELEMENTS AND BLOOD COAGULATION IN DIABETIC GANGRENE] Kuleshov EV, Kuleshova Iu *Klin Med (Mosk)* 51:115-21, Nov 73 (Rus)

[STUDIES ON THE EFFECT OF SULFAMETHOXYPIRAZINE (LONGUM) ON CARBOHYDRATE METABOLISM IN DIABETIC PATIENTS] Stotter G, Riederle K *Fortschr Med* 92:442-4, 11 Apr 74 (Ger)

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES. Pitkin RM, Van Orden DE *Endocrinology* 94:1247-53, May 74 (Eng)

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnav H *Diabetes* 23:268-75, Apr 74 (Eng)

THE GLYCOGEN IN SOME PARTS OF THE DIABETIC SKIN. Posinovec J, Skrabalo Z *Experientia* 30:305-6, 15 Mar 74 (Eng)

CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS. Sonksen PH Jr *Coll Physicians Lond* 8:220-36, Apr 74 (Eng)

### 1.F.3.2 DIABETES, ENZYMOLOGY

REGULATION OF MAMMALIAN FATTY-ACID SYNTHETASE. THE ROLES OF CARBOHYDRATE AND INSULIN. Volpe JJ, Vagelos PR *Proc Natl Acad Sci USA* 71:889-93, Mar 74 (Eng)

ENZYMES OF GLUCOSE METABOLISM IN LIVER OF SUBJECTS WITH ADULT-ONSET DIABETES. Belfiore F, Romeo F, Napoli E, Lo Vecchio L *Diabetes* 23:293-301, Apr 74 (Eng)

EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS. Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)

[PROCEEDINGS: COMPARATIVE EVALUATION OF SGOT STUDY ON THE SMA-12-60 USING 460NM AND 340 NM METHODS] Fornasiero C *Quad Scavo Diagn* 9:130-6, Mar 73 (Ita)

[PROCEEDINGS: USE OF THE ENZYMIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS] Marigo S, Del Nevo G, Bini PP *Quad Scavo Diagn* 9:95-102, Mar 73 (Ita)

INTESTINAL MUCOSAL DISACCHARIDASES IN CHRONIC PANCREATITIS. Arvanitakis C, Olsen WA *Am J Dig Dis* 19:417-21, May 74 (Eng)

### 1.F.3.3 DIABETES, BLOOD

BETA CAROTENE METABOLISM IN DIABETES. Ramachandran K *Indian J Med Res* 61:1831-4, Dec 73 (Eng)

[TRACE ELEMENTS AND BLOOD COAGULATION IN DIABETIC GANGRENE] Kuleshov EV, Kuleshova Iu *Klin Med (Mosk)* 51:115-21, Nov 73 (Rus)

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

LETTER: GROWTH IN DIABETIC CHILDREN. Murthy DY, Jackson RL *Lancet* 1:736-7, 20 Apr 74 (Eng)

[STUDIES ON THE EFFECT OF SULFAMETHOXYPIRAZINE (LONGUM) ON CARBOHYDRATE METABOLISM IN DIABETIC PATIENTS] Stotter G, Riederle K *Fortschr Med* 92:442-4, 11 Apr 74 (Ger)

BRITTLE DIABETES. Oleesky S, Shreeve DR, Sutcliffe CH *Q J Med* 43:113-25, Jan 74 (Eng)

DIABETES AND RENAL TRANSPLANTATION. A HYPOTHESIS. Kemp E, Kjaergaard E, Jensen IM, Svendsen EV *Scand J Urol Nephrol* 8:50-3, 1974 (Eng)

[CHANGES IN THE PEPTIDE MAPS AND OPTICAL ROTATORY DISPERSION OF SERUM ALBUMIN IN TUBERCULOSIS AND ITS COMBINATION WITH DIABETES] Vinokurova KA *Vopr Med Khim* 19:84-6, Jan-Feb 73 (Rus)

[ALPHA2-MACROGLOBULIN CONCENTRATION IN THE SERUM IN CHRONIC PANCREATITIS, LIVER CIRRHOSIS AND DIABETES MELLITUS] Geller LI, Kazimirschik AP, Kozlova ZP *Vopr Med Khim* 19:96-9, Jan-Feb 73 (Rus)

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

CORRELATIONS OF SERUM TRIGLYCERIDE AND PREBETALIPROTEIN LEVELS TO THE SEVERITY OF SPONTANEOUS DIABETES IN MACACA NIGRA. Howard CF Jr *J Clin Endocrinol Metab* 38:856-60, May 74 (Eng)

ACQUIRED DISORDERS OF HEMOGLOBIN. Bradley TB, Ranney HM *Prog Hematol* 8:77-98, 1973 (Eng)

[RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cuttica F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)

THE GLYCOGEN IN SOME PARTS OF THE DIABETIC SKIN. Posinovec J, Skrabalo Z *Experientia* 30:305-6, 15 Mar 74 (Eng)

INSULIN: A COMPARISON OF THE RESULTS OF PLASMA AND SERUM ASSAYS USING A DOUBLE-ANTIBODY TECHNIQUE. Crowley MF, Garbien KJ *Clin Chim Acta* 51:345-7, 26 Mar 74 (Eng)

### 1.F.3.4 DIABETES, URINE

LETTER: GROWTH IN DIABETIC CHILDREN. Murthy DY, Jackson RL *Lancet* 1:736-7, 20 Apr 74 (Eng)

THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC. Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)

INCREASED UROPEPSINOGEN EXCRETION IN DIABETES MELLITUS. Belfiore F, Lo Vecchio L, Napoli E, Borzi V, Rabuazzo AM *Clin Chem* 20:610-2, May 74 (Eng)

## 1.F.4 DIABETES, PHYSIOPATHOLOGY

DISCUSSION PAPER: THE QUALITATIVE ANALYSIS OF PARTIALLY SPECIFIED SYSTEMS. Levins R *Ann NY Acad Sci* 231:123-38, 1974 (Eng)

HOMEOSTASIS OF BODY WEIGHT IN A DIABETES CLINIC POPULATION. Goodner CJ, Ogilvie JT *Diabetes* 23:318-26, Apr 74 (Eng)

CURRENT STATUS OF CORONARY PREVENTION. LESSONS FROM THE FRAMINGHAM STUDY. Dawber TR, Kannel WB *Prev Med* 1:499-512, Dec 72 (Eng)

MANIFESTATIONS OF DIABETES MELLITUS--THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW. Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]

[INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)] Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL *Cah Med* 14:913-21, 30 Oct 73 (Fre)

[CYBERNETIC PATHOLOGY: CYBERNOSIS] Restian A G *Clin Med* 54:598-609, Sep 73 (Ita)

## 1.F.5 DIABETES, IMMUNOLOGY

# 1.F DIABETES

[JUVENILE DIABETES MELLITUS AND SELECTIVE IGA DEFICIENCY] Cser A, Ambros M, Bajtai G, Heim T, Varga F *Orv Hetil* 115:803-6, 7 Apr 74 (Hun)

[EDITORIAL: HL-A AND DISEASES] Dausset J *Nouv Presse Med* 3:499-501, 2 Mar 74 (Fre)

IMPAIRED LEUKOTACTIC RESPONSIVENESS IN PATIENTS WITH JUVENILE DIABETES MELLITUS. Hill HR, Sauls HS, Dettloff JL, Quie PG *Clin Immunol Immunopathol* 2:395-403, Apr 74 (Eng)

## 1.F.6 DIABETES COMPLICATIONS AND PATHOLOGY

### 1.F.6.1 DIABETIC KETOACIDOSIS

#### 1.F.6.1.1 ACIDOSIS, DIABETIC

[RECOVERY FROM BOVINE ACETONEMIA THROUGH INSULIN THERAPY] Soldati D *Schweiz Arch Tierheilkd* 116:155-6, Mar 74 (Ita)

THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC. Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)

THE RATIONALE FOR THE USE OF DRUGS IN THE TREATMENT OF DIABETES MELLITUS. Kryston LJ, Shaw RA *Semin Drug Treat* 3:365-75, Spring 74 (Eng)

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH INTRAVENOUS INSULIN] Fabricius-Bjerre N, Krabbe S, Lyngsøe J, Thomsen AC *Ugeskr Laeger* 136:188-92, 21 Jan 74 (Dan)

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY IN DIABETES MELLITUS. Simpson IJ, Henley JW, Sharpe DN *Nz Med J* 79:645-8, 13 Feb 74 (Eng)

RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP. Bergman EN, Kaufman CF, Wolf JE, Williams HH *Am J Physiol* 226:833-7, Apr 74 (Eng)

[LACTIC ACIDOSIS IN DIABETES MELLITUS (REVIEW OF THE LITERATURE)] Limanskaia GF, Cheban AK *Probl Endokrinol (Mosk)* 19:106-9, Jul-Aug 73 (Rus)

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnavi H *Diabetes* 23:268-75, Apr 74 (Eng)

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP *Diabetes* 23:302-5, Apr 74 (Eng)

HOMEOSTASIS OF BODY WEIGHT IN A DIABETES CLINIC POPULATION. Goodner CJ, Ogilvie JT *Diabetes* 23:318-26, Apr 74 (Eng)

LETTER: DIABETIC KETOACIDOSIS. Callaway CW, Palumbo PJ *Lancet* 1:869, 4 May 74 (Eng)

[LACTIC ACID ACIDOSIS AND BIGUANIDES—A REVIEW] Bottiger LE *Lakartidningen* 70:3463-4, 3 Oct 73 (Swe) [14]

[BIGUANIDES AND LACTIC ACID ACIDOSIS] Uvnas B *Lakartidningen* 70:3505, 3 Oct 73 (Swe)

[PROCEEDINGS: COMPARATIVE EVALUATION OF SGOT STUDY ON THE SMA-12-60 USING 460NM AND 340 NM METHODS] Fornasiero C *Quad Scavo Diagn* 9:130-6, Mar 73 (Ita)

[LACTATE ACIDOSIS IN A NON-DIABETIC TREATED WITH PHENFORMIN] Eskilsson J *Lakartidningen* 71:786, 27 Feb 74 (Swe)

[SYMPTOMATIC AND PATHOGENETIC THERAPY IN METABOLIC ACIDOSIS] Monchenko GD, Prutseva NV *Eksp Khir Anesteziol* 18:57-61, Nov-Dec 73 (Rus)

### 1.F.6.1.2 DIABETIC COMA

THE RATIONALE FOR THE USE OF DRUGS IN THE TREATMENT OF DIABETES MELLITUS. Kryston LJ, Shaw RA *Semin Drug Treat* 3:365-75, Spring 74 (Eng)

[DIABETIC COMA] Martin W *Schwed Rev* 12:17-8, 15 Jan 74 (Ger)

[LACTIC ACIDOSIS IN DIABETES MELLITUS (REVIEW OF THE LITERATURE)] Limanskaia GF, Cheban AK *Probl Endokrinol (Mosk)* 19:106-9, Jul-Aug 73 (Rus)

DIABETIC COMA: GUIDELINES IN THERAPY. Matz R *NY State J Med* 74:642-7, Apr 74 (Eng)

INTRAVASCULAR HAEMOLYSIS COMPLICATING TREATED NON-KETOTIC HYPERGLYCAEMIC DIABETIC COMA. Blackwell SW, Burns-Cox CJ *Postgrad Med J* 49:656-7, Sep 73 (Eng)

### 1.F.6.2 DIABETIC ANGIOPATHIES

LIPID COMPOSITION AND METABOLIC ACTIVITY OF SUBCELLULAR FRACTIONS ISOLATED FROM RABBIT ATHEROSCLEROTIC LESIONS. Proudlock JW, Day AJ, Naughton JM *Exp Mol Pathol* 19:389-401, Dec 73 (Eng)

[HEMODYNAMIC AND BIOCHEMICAL RESULTS FOLLOWING ADMINISTRATION OF ALLOPURINOL IN HEALTHY INDIVIDUALS] Szigoleit W, Taube C, Terhaag B, Forster W *Z Gesamte Inn Med* 28:465-6, 1 Aug 73 (Ger)

THE THYROID AND ATHEROSCLEROTIC ARTERIAL DISEASE. Menof P *S Afr Med J* 47:2315-25, 8 Dec 73 (Eng)

THE METABOLISM OF LARGE ARTERIES AS RELATED TO THE ONSET OF ATHEROSCLEROTIC LESIONS. Velican C *Rev Roum Med Intern* 10:373-85, 1973 (Eng)

STUDIES ON THE EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE ATHEROSCLEROSIS INDUCED BY CHOLESTEROL FEEDING IN RABBITS. II. EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE FORMATION OF ATHEROSCLEROSIS. Lin JK, Hsu CY, Huang CH, Chiang HH, Tung TC *J Formosan Med Assoc* 72:472-9, Sep 73 (Eng)

[CATECHOLAMINES AND ARTERIOSCLEROSIS] Numano F *Jap J Clin Med* 31:2718-27, Sep 73 (Jap) [30]

CURRENT STATUS OF THE CHOLESTEROL HYPOTHESIS. Podell RN *Am Fam Physician* 9:145-8, Jan 74 (Eng)

LETTER: MYOCARDIAL INFARCTION AND DIABETES. Harrower AD, Clarke BF *Lancet* 1:749-50, 20 Apr 74 (Eng)

[NUTRITIONAL DIRECTIONS FOR THE WHOLE POPULATION] Wijn JF de *Ned Tijdschr Geneesk* 117:1969-75, 29 Dec 73 (Dut)

[LETTER: ULCERO-MUTILATING ACROPATHIES AND DIABETIC PERFORATING PLANTAR DISEASES] Schmidt C, Royer RJ *Nouv Presse Med* 3:528, 2 Mar 74 (Fre)

ATHEROSCLEROSIS: A PEDIATRIC PROBLEM. Blumenthal S, Jesse MJ *Cardiovasc Clin* 4:11-6, 1972 (Eng) [19]

LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS. Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)

[ALPHA2-MACROGLOBULIN CONCENTRATION IN THE SERUM IN CHRONIC PANCREATITIS, LIVER CIRRHOSIS AND DIABETES MELLITUS] Geller LI, Kazimirchik AP, Kozlova ZP *Vopr Med Khim* 19:96-9, Jan-Feb 73 (Rus)

LETTER: EXERCISES. Noakes TD *S Afr Med J* 48:74, 19 Jan 74 (Eng)

POPLITEAL ARTERIAL ANEURYSMS. A REVIEW AND ANALYSIS OF 55 CASES. Gaylis H *S Afr Med J* 48:75-81, 19 Jan 74 (Eng)

[PREVENTION OF CEREBRAL STROKES] Jarema M *Neurol Neurochir Pol* 8:221-4, Mar-Apr 74 (Pol) [20]

[NATURAL HISTORY OF CORONARY ATHEROSCLEROSIS IN IRANIAN WORKERS] Daneche Pajouh M, Montazami K, Hedayat C, Kamali P, Pirouzmande B *Arch Mal Coeur* 66:1201-10, Sep 73 (Fre)

FIBRINOAGGULOPATHY IN MATURITY ONSET DIABETES MELLITUS AND ATHEROSCLEROSIS. Banerjee RN, Sahni AL, Kumar V *Thromb Diath Haemorrh* 30:123-32, 15 Sep 73 (Eng)

MYOCARDIAL INFARCTION AFTER EXERCISE-INDUCED ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH VARIANT ANGINA PECTORIS. Sweet RL, Sheffield LT *Am J Cardiol* 33:813-7, 20 May 74 (Eng)

[DISTRIBUTION OF OBLITERATING ATHEROSCLEROSIS OF THE ARTERIES OF THE LOWER EXTREMITIES AND ITS RELATIONSHIP TO ISCHEMIC HEART DISEASE] Dokuchaeva EA *Kardiologiya* 14:131-6, Feb 74 (Rus)

[EXPERIENCE IN USING CONSTANT TRANSVENOUS ENDOCARDIAL ELECTRICAL STIMULATION OF THE HEART] Dumchis AS *Kardiologiya* 14:65-8, Feb 74 (Rus)

DECENTRALIZED MEDICAL CARE OF CHRONIC DISEASE. Runyan JW Jr *Trans Assoc Am Physicians* 86:237-44, 1973 (Eng)

[TREATMENT OF PRERETINAL HAEMORRHAGES BY MEANS OF PHOTOCOAGULATION (AUTHORS TRANSL)] Heydenreich A *Klin Monatsbl Augenheilkd* 163:671-6, Dec 73 (Ger)

CURRENT STATUS OF CORONARY PREVENTION. LESSONS FROM THE FRAMINGHAM STUDY. Dawber TR, Kannel WB *Prev Med* 1:499-512, Dec 72 (Eng)

FACTORS PREDISPOSING TO FATAL STROKE IN LONGSHOREMEN. Paffenbarger RS Jr *Prev Med* 1:522-8, Dec 72 (Eng)

[INVESTIGATIONS CONCERNING THE INCIDENCE OF DISORDERS OF LIPID AND CARBOHYDRATE METABOLISM IN PRIMARY GOUT AND SYMPTOMLESS HYPERURICAEMIA (AUTHORS TRANSL)] Frank O *Wien Klin Wochenschr* 86:252-6, 3 May 74 (Ger)

MANIFESTATIONS OF DIABETES MELLITUS—THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW. Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]

HYPERTHYROIDISM IN PATIENTS OVER THE AGE OF 60 YEARS. CLINICAL FEATURES IN 85 PATIENTS. Davis PJ, Davis FB *Medicine (Baltimore)* 53:161-81, May 74 (Eng)

## Diabetes Literature—Hierarchical Index

### 1.F DIABETES

- AN EVALUATION OF CLINICAL BIOMICROSCOPY OF THE SMALL BLOOD VESSELS.** Davis E *Bibl Anat* 11:233-8, 1973 (Eng)
- THE DIAGNOSTIC SIGNIFICANCE OF THE FINGER-TIP BIOPSY IN MICROANGIOPATHIES. PATHOLOGY OF THE ARTERIOVENOUS ANASTOMOSES AND PRETERMINAL CIRCULATION.** Curri SB *Bibl Anat* 11:310-6, 1973 (Eng)
- THE EFFECTS OF XANTHINOL NICOTINATE ON THE SMALL BLOOD VESSELS.** Davis E, Rozov H *Bibl Anat* 11:334-9, 1973 (Eng)
- KK MICE AS A MODEL OF MICROANGIOPATHIC LESIONS IN DIABETES.** Duhault J, Lebon F, Boulanger M *Bibl Anat* 11:453-8, 1973 (Eng)
- ULTRASTRUCTURAL STUDY OF CONJUNCTIVAL CAPILLARIES AND BIOCHEMICAL STUDY OF CONJUNCTIVA IN THE COURSE OF HUMAN AND ANIMAL DIABETES.** Regnault F, Kern P *Bibl Anat* 11:459-67, 1973 (Eng)
- THE SMALL BLOOD VESSELS IN CHEMICAL DIABETES.** Davis E, Herman JB *Bibl Anat* 11:468-72, 1973 (Eng)
- [CYBERNETIC PATHOLOGY: CYBERNOSIS]** Restian A *G Clin Med* 54:598-609, Sep 73 (Ita)
- [CLINICAL TRIAL OF GLYPIDIDE]** Canadell Vidal J *Rev Iber Endocrinol* 21:61-73, Jan 74 (Spa)
- 1.F.6.3 DIABETIC NEPHROPATHIES**
- [DEATHS CAUSED BY CHRONIC PYELONEPHRITIS AND KIMMELSTIEL-WILSON SYNDROME AMONG DIABETICS]** Torzecka W, Mroczczyk M, Jurga-Waniek K *WHO Tech Rep Ser* 27:405-9, 1 Mar 74 (Pol)
- LETTER: RENAL DISEASE AND DIABETES.** Salomon MI *Arch Intern Med* 133:868, May 74 (Eng)
- [CHARACTERISTICS OF CLINICAL COURSE AND SURGICAL TREATMENT OF THE URINARY TRACT DISEASES IN PATIENTS WITH DIABETES MELLITUS]** Serniak PS, Makovskii VG, Chumak GO *Sov Med* 36:94-9, Nov 73 (Rus)
- LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY IN DIABETES MELLITUS.** Simpson JJ, Henley JW, Sharpe DN *Nz Med J* 79:645-8, 13 Feb 74 (Eng)
- LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS.** Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)
- [ALPHA2-MACROGLOBULIN CONCENTRATION IN THE SERUM IN CHRONIC PANCREATITIS, LIVER CIRRHOSIS AND DIABETES MELLITUS]** Geller LI, Kazimirschik AP, Kozlova ZP *Vopr Med Khim* 19:96-9, Jan-Feb 73 (Rus)
- [THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION]** Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endocrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)
- DIABETIC NEPHROPATHY AND RENAL TRANSPLANTATION.** Palumbo PJ, Woods JE, Johnson WJ *Minn Med* 57:356-60, May 74 (Eng)
- [PROCEEDINGS: PHYSIOPATHOLOGICAL SIGNIFICANCE AND CLINICAL USE OF URINARY ENZYMES]** Bonini PA, Guarnieri GF, De Nadai-Frank A, Ceriotti G *Quad Sclavo Diagn* 9:419-41, Mar 73 (Ita)
- [DIABETIC NEPHROPATHY]** Granovskaia-Tsvetkova AM *Med Sestra* 33:13-5, Jan 74 (Rus)
- EDITORIAL: THE VALSALVA MANEUVER IN DIABETIC NEUROPATHY.** Vaisrub S *JAMA* 228:1151, 27 May 74 (Eng)
- KK MICE AS A MODEL OF MICROANGIOPATHIC LESIONS IN DIABETES.** Duhault J, Lebon F, Boulanger M *Bibl Anat* 11:453-8, 1973 (Eng)
- [INFLAMMATORY DISEASES OF THE URINARY ORGANS IN PATIENTS WITH DIABETES MELLITUS]** Spesivtseva VG, Mamaeva GG, Baranchikova NA, Ialysheva NI *Sov Med* 36:103-7, Oct 73 (Rus)
- 1.F.6.4 DIABETIC NEUROPATHIES**
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- LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS.** Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)
- SEXUAL DYSFUNCTION IN DIABETIC MEN.** Kolodny RC, Kahn CB, Goldstein HH, Barnett DM *Diabetes* 23:306-9, Apr 74 (Eng)
- FORCE DISTRIBUTIONS UNDER THE FOOT—A DYNAMIC MEASURING SYSTEM.** Stokes IA, Stott JR, Hutton WC *Biomed Eng* 9:140-3, Apr 74 (Eng)
- FACIAL PARALYSES.** Gagnon NB, Fournier J *Can J Otolaryngol* 1:21-6, 1972 (Eng)
- MANIFESTATIONS OF DIABETES MELLITUS—THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW.** Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]
- [VALUE OF RECORDING THE ACHILLES TENDON REFLEX IN DIAGNOSIS OF DIABETIC POLYNEUROPATHIES]** Markiewicz M, Markiewicz M *Pol Tyg Lek* 29:397-9, Mar 74 (Pol)
- [CLINICAL TRIAL OF GLYPIDIDE]** Canadell Vidal J *Rev Iber Endocrinol* 21:61-73, Jan 74 (Spa)
- [TEGRETOL IN DIABETIC NEUROPATHIES]** Fernandez Alvarez O *Rev Iber Endocrinol* 21:75-83, Jan 74 (Spa)
- 1.F.6.5 DIABETIC RETINOPATHY**
- MANAGEMENT OF PATIENTS FOR YTTRIUM-90 IMPLANTATION OF THE PITUITARY GLAND.** Whitwam JG, Tunbridge WM, Fuller WJ *Br J Anaesth* 45:1121-9, Nov 73 (Eng)
- [NEW ASPECTS OF THE TREATMENT OF DIABETIC RETINOPATHY]** Regnault F, Barre Y, Rietzler X, Fouquier E, Aubert P, Molinier A, Zara M *Therapeutique* 49:505-7, Sep-Oct 73 (Fre)
- TWO MINUTES WITH DIABETES.** Whitehouse FW *Med Times* 102:85-6, Apr 74 (Eng)
- [ANGIOGRAPHIC CLASSIFICATION OF DIABETIC RETINOPATHY]** Regnault F, Rietzler X, Chaslerie D *Bull Soc Ophtalmol Fr* 73:71-8, Jan 73 (Fre)
- LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS.** Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)
- [ALPHA2-MACROGLOBULIN CONCENTRATION IN THE SERUM IN CHRONIC PANCREATITIS, LIVER CIRRHOSIS AND DIABETES MELLITUS]** Geller LI, Kazimirschik AP, Kozlova ZP *Vopr Med Khim* 19:96-9, Jan-Feb 73 (Rus)
- CAPILLARY RADIUS AND WALL THICKNESS IN NORMAL AND DIABETIC RAT RETINAE.** Sosula L *Microvasc Res* 7:274-6, Mar 74 (Eng)
- SUBRETINAL FLUID BUTYRYLCHOLINESTERASE. 2. REOPERATED RHEGMOGENOUS DETACHMENTS AND DIABETIC TRACTION DETACHMENTS.** Kaufman PL, Podos SM *Am J Ophthalmol* 77:19-24, Jan 74 (Eng)
- OCULAR MANIFESTATIONS OF SYSTEMIC DISEASES.** Schmidt I *Am J Optom Physiol Opt* 51:228-39, Mar 74 (Eng) [88]
- COMPLICATIONS OF ARGON LASER PHOTOCOAGULATION.** Zweng HC, Little HL, Hammond AH *Trans Am Acad Ophthalmol Otolaryngol* 78:OP195-204, Mar-Apr 74 (Eng)
- A DOSAGE AID FOR PATIENTS WITH IMPAIRED VISION.** Wright FA, Vallotton WW, Hargest TS *Trans Am Acad Ophthalmol Otolaryngol* 78:OP237-8, Mar-Apr 74 (Eng)
- NEOVASCULAR GLAUCOMA: CURRENT CONCEPTS.** Hoskins HD Jr *Trans Am Acad Ophthalmol Otolaryngol* 78:OP330-3, Mar-Apr 74 (Eng)
- CORTICOSTEROID MANAGEMENT OF HEMORRHAGIC GLAUCOMA.** Drews RC *Trans Am Acad Ophthalmol Otolaryngol* 78:OP334-6, Mar-Apr 74 (Eng)
- CRYOTHERAPY IN NEOVASCULAR GLAUCOMA.** Boniuk M *Trans Am Acad Ophthalmol Otolaryngol* 78:OP337-43, Mar-Apr 74 (Eng)
- [TREATMENT OF PRERETINAL HAEMORRHAGES BY MEANS OF PHOTOCOAGULATION (AUTHORS TRANSL.)]** Heydenreich A *Klin Monatsbl Augenheilkd* 163:671-6, Dec 73 (Ger)
- [CHANGE IN THE MUCOPOLYSACCHARIDE CONTENT IN THE TISSUES OF THE OCULAR DRAINAGE SYSTEM IN PRIMARY GLAUCOMA AND ITS ROLE IN THE DEVELOPMENT OF THE GLAUCOMATOUS PROCESS (A HISTOCHEMICAL STUDY)]** Kashintseva LT, Plevinskis VP *Oftalmol Zh* 28:57-62, Jan 73 (Rus)
- MANIFESTATIONS OF DIABETES MELLITUS—THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW.** Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]
- PORTABLE XENON ARC LIGHT COAGULATOR.** O'Malley P *Br J Ophthalmol* 57:935-44, Dec 73 (Eng)
- KK MICE AS A MODEL OF MICROANGIOPATHIC LESIONS IN DIABETES.** Duhault J, Lebon F, Boulanger M *Bibl Anat* 11:453-8, 1973 (Eng)
- [RHEOOPHTHALMOGRAPHY IN DIABETES MELLITUS]** Beigel'man NB, Zaripov SM *Vestn Oftalmol* 6:55-7, May-Jun 73 (Rus)
- [CLINICAL TRIAL OF GLYPIDIDE]** Canadell Vidal J *Rev Iber Endocrinol* 21:61-73, Jan 74 (Spa)
- ONCOCYTES IN THE ANTERIOR LOBE OF THE HUMAN PITUITARY GLAND. A LIGHT AND ELECTRON MICROSCOPIC STUDY.** Kovacs K, Horvath E, Bilbao JM *Acta Neuropathol (Berl)* 27:43-53, 7 Feb 74 (Eng)
- 1.F.6.6 OTHER COMPLICATIONS OF DIABETES**

- THE DIABETIC BLADDER.** Buck AC, McRae CU, Chisholm GD *Proc R Soc Med* 67:81-3, Jan 74 (Eng)
- [DEATHS CAUSED BY CHRONIC PYELONEPHRITIS AND KIMMELSTIEL-WILSON SYNDROME AMONG DIABETICS]** Torzecka W, Mroszczyk M, Jurga-Wanick K *WHO Tech Rep Ser* 27:405-9, 1 Mar 74 (Pol)
- [DIABETIC GANGRENE (REVIEW OF THE LITERATURE)]** Kuleshov EV, Kuleshova Iu *Khirurgiya (Mosk)* 49:125-9, Apr 73 (Rus) [93]
- [TRACE ELEMENTS AND BLOOD COAGULATION IN DIABETIC GANGRENE]** Kuleshov EV, Kuleshova Iu *Klin Med (Mosk)* 51:115-21, Nov 73 (Rus)
- LETTER: GROWTH IN DIABETIC CHILDREN.** Murthy DY, Jackson RL *Lancet* 1:736-7, 20 Apr 74 (Eng)
- LETTER: MYOCARDIAL INFARCTION AND DIABETES.** Harrower AD, Clarke BF *Lancet* 1:749-50, 20 Apr 74 (Eng)
- [NUTRITIONAL DIRECTIONS FOR THE WHOLE POPULATION]** Wijn JF de *Ned Tijdschr Geneesk* 117:1969-75, 29 Dec 73 (Dut)
- [COMBINATION OF DIABETES AND SCLERODERMA]** Fourrier A, Mouton YJ, Montois R, Zylberberg C, Pomettet P, Vanhille P *Sem Hop Paris* 49:2853-6, 26 Oct 73 (Fre)
- [CHARACTERISTICS OF CLINICAL COURSE AND SURGICAL TREATMENT OF THE URINARY TRACT DISEASES IN PATIENTS WITH DIABETES MELLITUS]** Serniak PS, Makovskii VG, Chumak GO *Sov Med* 36:94-9, Nov 73 (Rus)
- [THE SECONDARY DISEASE IN INTERNAL MEDICINE (ANTIBACTERIAL CHEMOTHERAPY)]** Hitzzenberger G *Int J Clin Pharmacol* 8:282-91, Dec 73 (Ger)
- [DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: DERMATOLOGY]** Tronnier H *Int J Clin Pharmacol* 8:337-49, Dec 73 (Ger)
- THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC.** Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)
- LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS.** Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)
- DIABETES AND RENAL TRANSPLANTATION. A HYPOTHESIS.** Kemp E, Kjaergaard E, Jensen IM, Svendsen EV *Scand J Urol Nephrol* 8:50-3, 1974 (Eng)
- [CHANGES IN THE PEPTIDE MAPS AND OPTICAL ROTATORY DISPERSION OF SERUM ALBUMIN IN TUBERCULOSIS AND ITS COMBINATION WITH DIABETES]** Vinokurova KA *Vopr Med Khim* 19:84-6, Jan-Feb 73 (Rus)
- A DERMATOSIS SPECIFICALLY ASSOCIATED WITH A TUMOUR OF PANCREATIC ALPHA CELLS.** Sweet RD *Br J Dermatol* 90:301-8, Mar 74 (Eng)
- THE CHARCOT JOINT: SOME PATHOLOGIC AND PATHOGENETIC CONSIDERATIONS.** Kidd JG Jr *South Med J* 67:597-602, May 74 (Eng)
- LETTER: PROPRANOLOL, HYPOGLYCEMIA, AND HYPERTENSIVE CRISIS.** McMurtry RJ *Ann Intern Med* 80:669-70, May 74 (Eng)
- EVALUATION OF CANCER RISK FACTORS IN A RETIREMENT COMMUNITY.** Henderson BE, Bogdanoff E, Gerkins VR, Soohoo J, Arthur M *Cancer Res* 34:1045-8, May 74 (Eng)
- MORTALITY OF DIABETIC PATIENTS TREATED SURGICALLY FOR LOWER LIMB INFECTION AND OR GANGRENE.** Kahn O, Wagner W, Bessman AN *Diabetes* 23:287-92, Apr 74 (Eng)
- SEXUAL DYSFUNCTION IN DIABETIC MEN.** Kolodny RC, Kahn CB, Goldstein HH, Barnett DM *Diabetes* 23:306-9, Apr 74 (Eng)
- [DIAGNOSTIC PROCEDURE IN AMENORRHEA]** Kremling H, Wille G *Med Klin* 69:287-8, 15 Feb 74 (Ger)
- POPLITEAL ARTERIAL ANEURYSMS. A REVIEW AND ANALYSIS OF 55 CASES.** Gaylis H S *Afr Med J* 48:75-81, 19 Jan 74 (Eng)
- GASTRIC MUCORMYCOSIS IN A DIABETIC PATIENT.** Dannheimer IP, Fouche W, Nel C S *Afr Med J* 48:838-9, 20 Apr 74 (Eng)
- PANCREATOGRAPHY IN RELAPSING PANCREATITIS.** Arnesjo B, Kugelberg C, Tylen U *Acta Chir Scand* 140:131-7, 1974 (Eng)
- OCULAR MANIFESTATIONS OF SYSTEMIC DISEASES.** Schmidt I *Am J Optom Physiol Opt* 51:228-39, Mar 74 (Eng) [88]
- [PREVENTION OF CEREBRAL STROKES]** Jarema M *Neurol Neurochir Pol* 8:221-4, Mar-Apr 74 (Pol) [20]
- [NATURAL HISTORY OF CORONARY ATHEROSCLEROSIS IN IRANIAN WORKERS]** Daneche Pajouh M, Montazami K, Hedayat C, Kamali P, Pirouzmande B *Arch Mal Coeur* 66:1201-10, Sep 73 (Fre)
- SURVIVAL RATES IN SURGERY OF THE AGED. ASSESSMENT OF LONG-TERM PROGNOSIS ACCORDING TO COEXISTING DISEASES.** Andersen B, Ostberg J *Gerontol Clin (Basel)* 14:354-60, 1972 (Eng)
- FIBRINOAGGULOPATHY IN MATURITY ONSET DIABETES MELLITUS AND ATHEROSCLEROSIS.** Banerjee RN, Sahni AL, Kumar V *Thromb Diath Haemorrh* 30:123-32, 15 Sep 73 (Eng)
- MYOCARDIAL INFARCTION AFTER EXERCISE-INDUCED ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH VARIANT ANGINA PECTORIS.** Sweet RL, Sheffield LT *Am J Cardiol* 33:813-7, 20 May 74 (Eng)
- CURRENT STATUS OF CORONARY PREVENTION. LESSONS FROM THE FRAMINGHAM STUDY.** Dawber TR, Kannel WB *Prev Med* 1:499-512, Dec 72 (Eng)
- FACTORS PREDISPOSING TO FATAL STROKE IN LONGSHOREMEN.** Paffenbarger RS Jr *Prev Med* 1:522-8, Dec 72 (Eng)
- [INVESTIGATIONS CONCERNING THE INCIDENCE OF DISORDERS OF LIPID AND CARBOHYDRATE METABOLISM IN PRIMARY GOUT AND SYMPTOMLESS HYPERURICAEMIA (AUTHORS TRANSL.)]** Frank O *Wien Klin Wochenschr* 86:252-6, 3 May 74 (Ger)
- DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION.** McCarty DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)
- MANIFESTATIONS OF DIABETES MELLITUS--THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW.** Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]
- METABOLIC EFFECTS OF ORAL CONTRACEPTIVES.** Spellacy WN *Clin Obstet Gynecol* 17:53-64, Mar 74 (Eng) [22]
- HYPERTHYROIDISM IN PATIENTS OVER THE AGE OF 60 YEARS. CLINICAL FEATURES IN 85 PATIENTS.** Davis PJ, Davis FB *Medicine (Baltimore)* 53:161-81, May 74 (Eng)
- PANCREATIC CARCINOMA. A REVIEW OF ETIOLOGIC CONSIDERATIONS.** Mainz D, Webster PD 3d *Am J Dig Dis* 19:459-64, May 74 (Eng)
- [WERNERS SYNDROME. FAMILIAL UL-CEROUS SCLERODERMIA WITH CATARACTS AND DIABETES]** Vandaele R *Arch Belg Dermatol* 29:251-4, Jul-Sep 73 (Fre)
- [URINARY INFECTION IN DIABETES]** Schrub JC, Courtois H, Prodhomme H *Cah Med* 14:923-7, 30 Oct 73 (Fre)
- LOWER LUNG FIELD TUBERCULOSIS.** Berger HW, Granada MG *Chest* 65:522-6, May 74 (Eng) [22]
- [INFLAMMATORY DISEASES OF THE URINARY ORGANS IN PATIENTS WITH DIABETES MELLITUS]** Spesivtseva VG, Mamaeva GG, Baranchikova NA, Ialysheva NI *Sov Med* 36:103-7, Oct 73 (Rus)
- [VARIOUS ASPECTS OF DIABETIC BULLOSIS]** Kerl H, Kresbach H *Hautarzt* 25:60-5, Feb 74 (Ger)
- [NEURO-PSYCHIATRIC SYMPTOMATOLOGY IN HYPOGLYCEMIA]** Franck G *Rev Med Liege* 29:223-6, 15 Apr 74 (Fre)
- [MYOCARDIAL INFARCT IN WOMEN]** Adam-ska-Dyniewska H, Jeziorska J *Wiad Lek* 27:689-93, Apr 74 (Pol)
- [CEREBRAL STROKES OCCURRING AMONG DIABETICS TREATED AT A DEPARTMENT OF INTERNAL MEDICINE]** Szulc EJ *Wiad Lek* 27:695-9, Apr 74 (Pol)
- [MEDULLARY CARCINOMA OF THE THYROID GLAND. MORPHOLOGY, FREQUENCY, AND CLINICAL ASPECTS]** Jaques C *Schweiz Med Wochenschr* 104:565-70, 20 Apr 74 (Fre)

#### 1.F.6.7 DIABETES PATHOLOGY

- DIABETES MELLITUS WITH PANCREATIC ATROPHY IN ANTELOPES IN THE AMSTERDAM ZOO.** Gaag I van der, Borst GH, Vroeghe C *Zentralbl Veterinaarmed [A]* 20:843-54, Dec 73 (Eng)
- FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES.** Pitkin RM, Van Orden DE *Endocrinology* 94:1247-53, May 74 (Eng)
- EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS.** Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)
- MANIFESTATIONS OF DIABETES MELLITUS--THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW.** Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]
- VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCARDITIS VIRUS.** Hayashi K, Boucher DW, Notkins AL *Am J Pathol* 75:91-102, Apr 74 (Eng)
- [VARIOUS ASPECTS OF DIABETIC BULLOSIS]** Kerl H, Kresbach H *Hautarzt* 25:60-5, Feb 74 (Ger)

#### 1.F.6.8 PREGNANCY IN DIABETES

## Diabetes Literature—Hierarchical Index

### 1.F DIABETES

- GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY.** Gaspard U, Sandront H, Luyckx A. *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)
- THE FORMATION OF HL-A ANTIBODIES IN PREGNANCY. THE ANTIGENICITY OF ABORTED AND TERM FETUSES.** Burke J, Johansen K. *J Obstet Gynaecol Br Commonw* 81:222-8, Mar 74 (Eng)
- LETTER: NEONATAL DIABETES.** MacDonald MJ. *Lancet* 1:737, 20 Apr 74 (Eng)
- EFFECTS OF PREGNANCY ON TRYPAANOSOMA CONGOLENSIS INFECTION IN RATS: SERUM BIOCHEMISTRY AND CELLULAR DISORDERS.** Simaren JO, Awopetu JI. *Ann Parasitol Hum Comp* 48:433-46, Mar-Jun 73 (Eng)
- ADENYLATE CYCLASE ACTIVITY IN IMMATURE RABBIT LUNG.** Barrett CT, Sevanian A, Kaplan SA. *Pediatr Res* 8:244-7, Apr 74 (Eng)
- [ORTHOTOLOGY AND PATHOLOGY OF THE HUMAN PLACENTA--CONCLUSION. 3. PATHOLOGY OF THE PLACENTA AND PLACENTAL CHANGES IN SPECIAL DISEASES DURING THE LAST 30 OF PREGNANCY.]** Flenker H. *Fortschr Med* 92:422-6, 11 Apr 74 (Ger)
- [CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE.]** Stolp W, Hunermann B, Mund-Hoym S, Hansmann M. *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)
- LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS.** Oakley WG, Pyke DA, Tattersall RB, Watkins PJ. *Q J Med* 43:145-56, Jan 74 (Eng)
- RENAL KETONE BODY METABOLISM AND GLUCONEOGENESIS IN NORMAL AND HYPOGLYCEMIC SHEEP.** Kaufman CF, Bergman EN. *Am J Physiol* 226:827-32, Apr 74 (Eng)
- RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP.** Bergman EN, Kaufman CF, Wolff JE, Williams HH. *Am J Physiol* 226:833-7, Apr 74 (Eng)
- [A STUDY OF THE EMBRYOGENESIS OF THE PANCREAS AND THE PROCESS OF FORMATION OF THE INSULAR APPARATUS IN THE FETUSES OF RATS WITH PREDIABETES, LATENT AND MANIFEST ALLOXAN DIABETES.]** Nikitin AI. *Probl Endokrinol (Mosk)* 19:73-8, Jul-Aug 73 (Rus)
- [LETTER: GLUCOSE TOLERANCE TEST IN THE PUERPERIUM.]** Beck L. *Z Geburtshilfe Perinatol* 177:453-4, Dec 73 (Ger)
- FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES.** Pitkin RM, Van Orden DE. *Endocrinology* 94:1247-53, May 74 (Eng)
- ESTIMATING LECITHIN-SPHINGOMYELIN AREA RATIO IN AMNIOTIC FLUID. A MODIFIED METHOD FOR THE PREDICTION OF NEONATAL RESPIRATORY DISTRESS.** Richardson DG. *S Afr Med J* 48:690-4, 6 Apr 74 (Eng)
- CHROMIUM NUTRITION IN MAN.** Hambidge KM. *Am J Clin Nutr* 27:505-14, May 74 (Eng) [54]
- ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972.** Juhasz P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP. *Diabetes* 23:302-5, Apr 74 (Eng)
- FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS.** Girard JR, Kervran A, Soufflet E, Assan R. *Diabetes* 23:310-7, Apr 74 (Eng)
- ACQUIRED DISORDERS OF HEMOGLOBIN.** Bradley TB, Ranney HM. *Prog Hematol* 8:77-98, 1973 (Eng)
- ISOLATED GROWTH HORMONE DEFICIENCY AND RELATED DISORDERS.** Merimee TJ. *Annu Rev Med* 25:137-42, 1974 (Eng) [20]
- THE EFFECT OF PREGNANCY ON INTRAVENOUS GLUCOSE TOLERANCE.** Fisher PM, Hamilton PM, Sutherland HW, Stowers JM. *J Obstet Gynaecol Br Commonw* 81:285-90, Apr 74 (Eng)
- CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS.** Sonksen PH. *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)
- [DIABETES AND PREGNANCY.]** Riet HG van, Kal J, Haspels AA. *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]
- GANGRENE OF THE HAND IN A NEWBORN CHILD.** Hoffman S, Valderrama E, Gribetz I, Strauss L. *Hand* 6:70-3, Feb 74 (Eng)
- THE RENAL EXCRETION OF NUTRIENTS IN PREGNANCY.** Hytten FE. *Postgrad Med J* 49:625-9, Sep 73 (Eng)
- [FULLY MATURE PLACENTA AT FIFTEEN WEEKS GESTATION (EARLIEST OBSERVATION OF PREMATURE MATURATION OF THE PLACENTA) (AUTHORS TRANSL.)]** Werner C, Bender HG. *Geburtshilfe Frauenheilkd* 34:104-8, Feb 74 (Ger)
- LOWER LUNG FIELD TUBERCULOSIS.** Berger HW, Granada MG. *Chest* 65:522-6, May 74 (Eng) [22]
- POTENTIAL MECHANISMS RESPONSIBLE FOR PRENATAL AND PERINATAL MORTALITY OR LOW VIABILITY OF SWINE.** Stanton HC, Carroll JK. *J Anim Sci* 38:1037-44, May 74 (Eng) [53]
- ### 1.F.7 DIABETES OCCURRENCE, ETIOLOGY AND RELATED TERMS
- #### 1.F.7.1 DIABETES, OCCURRENCE
- LETTER: NEONATAL DIABETES.** MacDonald MJ. *Lancet* 1:737, 20 Apr 74 (Eng)
- PANCREATIC INVOLVEMENT BY VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS IN THE HAMSTER.** Gorelik L, Jahrling PB. *Am J Pathol* 75:349-62, May 74 (Eng)
- [LARGE INTRAVENOUS DOSES OF CORTISONE IN RENAL TRANSPLANTATION.]** Stummvoll HK, Pinggera WF, Oppolzer R, Singer F, Wolf A. *Wien Med Wochenschr* 124:232-5, Apr 74 (Ger)
- CHROMIUM NUTRITION IN MAN.** Hambidge KM. *Am J Clin Nutr* 27:505-14, May 74 (Eng) [54]
- VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCAR-**
- INITIS VIRUS.** Hayashi K, Boucher DW, Notkins AL. *Am J Pathol* 75:91-102, Apr 74 (Eng)
- #### 1.F.7.2 DIABETES, ETIOLOGY
- [INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM.]** Verloren HJ, Lohmann D, Bruckner U, Pohl A, Bemm H. *Dtsch Z Verdau Stoffwechselkr* 33:89-95, 1973 (Ger)
- ### 1.F.7.3 DIABETES, CONGENITAL
- ### 1.F.7.4 DIABETES, FAMILIAL AND GENETIC
- LETTER: NEONATAL DIABETES.** MacDonald MJ. *Lancet* 1:737, 20 Apr 74 (Eng)
- LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS.** Oakley WG, Pyke DA, Tattersall RB, Watkins PJ. *Q J Med* 43:145-56, Jan 74 (Eng)
- FAMILIAL LIPOATROPHIC DIABETES WITH DOMINANT TRANSMISSION. A NEW SYNDROME.** Dunnigan MG, Cochrane MA, Kelly A, Scott JW. *Q J Med* 43:33-48, Jan 74 (Eng)
- EVALUATION OF CANCER RISK FACTORS IN A RETIREMENT COMMUNITY.** Henderson BE, Bogdanoff E, Gerkins VR, SooHoo J, Arthur M. *Cancer Res* 34:1045-8, May 74 (Eng)
- EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMY ALBICAUDATUS.** Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML. *Lab Invest* 30:451-7, Apr 74 (Eng)
- MANIFESTATIONS OF DIABETES MELLITUS--THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW.** Vracko R, Benditt EP. *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]
- [WERNERS SYNDROME. FAMILIAL ULCEROUS SCLERODERMA WITH CATARACT AND DIABETES.]** Vandaele R. *Arch Belg Dermatol Syphiligr* 29:251-4, Jul-Sep 73 (Fre)
- ### 1.F.7.5 PREDIABETIC STATE
- [A STUDY OF THE EMBRYOGENESIS OF THE PANCREAS AND THE PROCESS OF FORMATION OF THE INSULAR APPARATUS IN THE FETUSES OF RATS WITH PREDIABETES, LATENT AND MANIFEST ALLOXAN DIABETES.]** Nikitin AI. *Probl Endokrinol (Mosk)* 19:73-8, Jul-Aug 73 (Rus)
- THE GLYCOGEN IN SOME PARTS OF THE DIABETIC SKIN.** Posinovec J, Skrabalo Z. *Experientia* 30:305-6, 15 Mar 74 (Eng)
- [PROCEEDINGS: USE OF THE ENZYMATIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS.]** Marigo S, Del Nevo G, Bini PP. *Quad Sclavo Diagn* 9:95-102, Mar 73 (Ita)
- [INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE).]** Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL. *Cah Med* 14:913-21, 30 Oct 73 (Fre)
- [STATE OF THE PERIODONTIUM IN PATIENTS WITH LATENT DIABETES.]** Atahacoba E, Dobrev DI, Indzhov B. *Stomatologia (Sofia)* 55:276-80, Jul-Aug 73 (Bul)
- ### 1.F.8 DIABETES, DIAGNOSIS RELATED

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### 1.F DIABETES

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#### 1.F.8.2 DIABETES, DIAGNOSIS

GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS. Aloia JF, Raju L, Goldsmith S, Mendizabal E. *Am J Med Sci* 267:89-98, Feb 74 (Eng)

[INFRARED THERMOVISION AND JUVENILE DIABETES] Stavratjev M, Stavratjevoa A, Osickova L. *Cesk Pediatr* 29:145-7, Mar 74 (Cze)

THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC. Kaye R. *Semin Drug Treat* 3:357-63, Spring 74 (Eng)

THE RATIONALE FOR THE USE OF DRUGS IN THE TREATMENT OF DIABETES MELLITUS. Kryston LJ, Shaw RA. *Semin Drug Treat* 3:365-75, Spring 74 (Eng)

[DIAGNOSTIC PROCEDURE IN AMENORRHEA] Kremling H, Wille G. *Med Klin* 69:287-8, 15 Feb 74 (Ger)

THE GLYCOGEN IN SOME PARTS OF THE DIABETIC SKIN. Posinovec J, Skrabalo Z. *Experientia* 30:305-6, 15 Mar 74 (Eng)

[PROCEEDINGS: USE OF THE ENZYMATIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS] Marigo S, Del Nevo G, Bini PP. *Quadr Sclavo Diagn* 9:95-102, Mar 73 (Ita)

[DIABETES IN DENTISTRY] Barreiro Davina A. *An Esp Odontostomatol* 33:59-68, Jan-Feb 74 (Spa)

[INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)] Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL. *Cah Med* 14:913-21, 30 Oct 73 (Fre)

EVALUATION OF THE ADAPTATION OF THE GLUCOSE OXIDASE-PEROXIDASE-3-METHYL-2-BENZOTHAZOLINONE HYDRAZONE-N,N-DIMETHYLANILINE PROCEDURE TO THE TECHNICON SMA 12-60, AND COMPARISON WITH OTHER AUTOMATED METHODS FOR GLUCOSE. Carey RN, Feldbrugge D, Westgard JO. *Clin Chem* 20:595-602, May 74 (Eng)

#### 1.F.9 DIABETES, THERAPY RELATED

##### 1.F.9.1 DIABETES, PREVENTION AND CONTROL

DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS. Culbert S, Sharp R, Rogers M, Felts P, Burr IM. *Diabetes* 23:282-6, Apr 74 (Eng)

[EARLY FORMS OF DIABETES MELLITUS AND ITS PREVENTION] Vasiukova EA. *Med Sestra* 33:6-10, Jan 74 (Rus)

##### 1.F.9.2 DIABETES, NUTRITION AND DIET THERAPY

###### 1.F.9.2.1 OBESITY IN DIABETES

[MANAGEMENT OF DIABETES MELLITUS] Wechsler B. *Nouv Presse Med* 3:531-4, 2 Mar 74 (Fre)

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[CLINICAL TESTS ON GLUCOPHAGE RETARD IN DOBSE ADULT PATIENTS WITH ADJUSTED DIABETES MELLITUS] Kopp H. *Med Welt* 25:658-60, 12 Apr 74 (Ger)

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[TUMORAL HYPOGLYCEMIA AND ITS TREATMENT] Debry G. *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)

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THE UTILIZATION BY GROWING LAMBS OF A CASEIN-SAFFLOWER OIL SUPPLEMENT TREATED WITH FORMALDEHYDE. Faichney GH, Scott TW, Cook LJ. *Aust J Biol Sci* 26:1179-88, Oct 73 (Eng)

GROWTH HORMONE LEVELS IN VITAMIN B6-DEFICIENT RATS. Makris A, Gershoff SH. *Horm Metab Res* 5:457-61, Nov 73 (Eng)

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LETTER: FULL AND EMPTY FAT CELLS. Ostrowski ZL, Giron B. *Lancet* 2:1493, 29 Dec 73 (Eng)

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SOME EFFECTS OF FEEDING YOUNG STEERS ON A DIET DEFICIENT IN BOTH COBALT AND COPPER. MacPherson A, Moon FE, Voss RC. *Br Vet J* 129:414-26, Sep-Oct 73 (Eng)

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THE EFFECT OF GLUCOSE ON URINARY CATION EXCRETION DURING CHRONIC EXTRACELLULAR VOLUME EXPANSION IN NORMAL MAN. Lennon EJ, Lemann J Jr, Piering WF, Larson LS. *J Clin Invest* 53:1424-33, May 74 (Eng)

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THE OXIDATIVE DESATURATION OF UNSATURATED FATTY ACIDS IN ANIMALS. Brenner RR. *Mol Cell Biochem* 3:41-52, 8 Mar 74 (Eng)

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**EFFECT OF THYROID HORMONES AND DIETARY FAT ON THE INTERRELATION OF LIPID AND CARBOHYDRATE METABOLISM IN RATS.** Felt V *Endocrinol Exp (Bratisl)* 7:283-91, 1973 (Eng)

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HO, Johansson C, Ekelund K *Scand J Gastroenterol* 8:735-42, 1973 (Eng)

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- EFFECT OF CHLORPROPAMIDE ON OSMOTIC WATER FLOW ACROSS TOAD BLADDER AND THE RESPONSE TO VASOPRESSIN, THEOPHYLLINE AND CYCLIC AMP. Mendoza SA, Brown CF Jr *J Clin Endocrinol Metab* 38:883-9, May 74 (Eng)
- SYNDROME OF HYPERNATREMIA, HYPODIP-SIA AND PARTIAL DIABETES INSIPIDUS: A NEW INTERPRETATION. Sridhar CB, Calvert GD, Ibbertson HK *J Clin Endocrinol Metab* 38:890-901, May 74 (Eng)
- SULFONYLUREAS AND THE HEART. Levey GS, Lasseter KC, Palmer RF *Annu Rev Med* 25:69-74, 1974 (Eng) [24]
- EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM. Omachi RS, Robbie DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)
- [LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLORPROPAMIDE-METFORMIN] Schulte J, Garcia Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)
- [THE EFFECT OF MORPHINE, PETHIDINE AND CLORPROMAZINE ON THE HYPOTHALAMO-PITUITARY-ADRENAL SYSTEM (AUTHORS TRANSL)] Morgner KD, Fissan H, Lucke C *Klin Wochenschr* 51:1205-7, 15 Dec 73 (Ger)
- ### 1.F.9.4.4 PHENFORMIN
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- SULFONYLUREAS AND THE HEART. Levey GS, Lasseter KC, Palmer RF *Annu Rev Med* 25:69-74, 1974 (Eng) [24]
- [RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cuttica F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)
- [EFFECTS OF ANTIDIABETIC BIGUANIDES ON VARIOUS TYPES OF LIPID MOBILIZATION IN THE RABBIT] Marquie G, Agid R *J Physiol (Paris)* 66:345-56, Sep 73 (Fre)
- [BIGUANIDES AND LACTIC ACID ACIDOSIS] Uvnas B *Lakartidningen* 70:3505, 3 Oct 73 (Swe)
- [LACTATE ACIDOSIS IN A NON-DIABETIC TREATED WITH PHENFORMIN] Eskilsson J *Lakartidningen* 71:786, 27 Feb 74 (Swe)
- ### 1.F.9.4.5 OTHER BIGUANIDES
- A COMPARATIVE STUDY ON THE EFFECT OF FLUORIDE, LAURYL SULPHATE AND CHLORHEXIDINE ON GLUCOSE UTILIZATION IN RAT INTESTINAL MUCOSAL CELLS. Olsen I, Sognen E *Acta Pharmacol Toxicol (Kbh)* 33:348-52, 1973 (Eng)
- [MANAGEMENT OF DIABETES MELLITUS] Wechsler B *Nouv Presse Med* 3:531-4, 2 Mar 74 (Fre)
- THE RATIONALE FOR THE USE OF DRUGS IN THE TREATMENT OF DIABETES MELLITUS. Kryston LJ, Shaw RA *Semin Drug Treat* 3:365-75, Spring 74 (Eng)

## Diabetes Literature—Hierarchical Index

### 1.F DIABETES

- [LACTIC ACIDOSIS IN DIABETES MELLITUS (REVIEW OF THE LITERATURE)] Limanskaia GF, Cheban AK *Probl Endokrinol (Mosk)* 19:106-9, Jul-Aug 73 (Rus)
- [EFFECTS OF ANTIDIABETIC BIGUANIDES ON VARIOUS TYPES OF LIPID MOBILIZATION IN THE RABBIT] Marquie G, Agid R *J Physiol (Paris)* 66:345-56, Sep 73 (Fre)
- [LACTIC ACID ACIDOSIS AND BIGUANIDES--A REVIEW] Bottiger LE *Lakartidningen* 70:3463-4, 3 Oct 73 (Swe) [14]
- [BIGUANIDES AND LACTIC ACID ACIDOSIS] Uvnas B *Lakartidningen* 70:3505, 3 Oct 73 (Swe)
- [CLINICAL TESTS ON GLUCOPHAGE RETARD IN 50 OBESE ADULT PATIENTS WITH ADJUSTED DIABETES MELLITUS] Kopp H *Med Welt* 25:658-60, 12 Apr 74 (Ger)
- [LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLOPROPAMIDE-METFORMIN] Schulte J, Garcia Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)
- 1.F.9.5 DIABETES DRUG THERAPY**
- LETTER: GROWTH IN DIABETIC CHILDREN. Murthy DY, Jackson RL *Lancet* 1:736-7, 20 Apr 74 (Eng)
- THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC. Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)
- THE RATIONALE FOR THE USE OF DRUGS IN THE TREATMENT OF DIABETES MELLITUS. Kryston LJ, Shaw RA *Semin Drug Treat* 3:365-75, Spring 74 (Eng)
- [MONOCOMPONENT INSULIN] Poulsen JE *Ugeskr Laeger* 136:211-2, 21 Jan 74 (Dan)
- LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY IN DIABETES MELLITUS. Simpson IJ, Henley JW, Sharpe DN *Nz Med J* 79:645-8, 13 Feb 74 (Eng)
- [STUDIES ON THE EFFECT OF SULFAMETHOXYPIRAZINE (LONGUM) ON CARBOHYDRATE METABOLISM IN DIABETIC PATIENTS] Stotter G, Riederle K *Fortschr Med* 92:442-4, 11 Apr 74 (Ger)
- BRITTLE DIABETES. Oleesky S, Shreeve DR, Sutcliffe CH *Q J Med* 43:113-25, Jan 74 (Eng)
- FAMILIAL LIPOATROPHIC DIABETES WITH DOMINANT TRANSMISSION. A NEW SYNDROME. Dunnigan MG, Cochrane MA, Kelly A, Scott JW *Q J Med* 43:33-48, Jan 74 (Eng)
- [ALPHA2-MACROGLOBULIN CONCENTRATION IN THE SERUM IN CHRONIC PANCREATITIS, LIVER CIRRHOSIS AND DIABETES MELLITUS] Geller LI, Kazimirchik AP, Kozlova ZP *Vopr Med Khim* 19:96-9, Jan-Feb 73 (Rus)
- IMMUNOGENICITY OF SINGLE PEAK BEEF-PORK INSULIN IN DIABETIC SUBJECTS. Tantillo JJ, Karam JH, Burrill KC, Jones MA, Grodsky GM, Forsham PH *Diabetes* 23:276-81, Apr 74 (Eng)
- DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS. Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)
- SEXUAL DYSFUNCTION IN DIABETIC MEN. Kolodny RC, Kahn CB, Goldstein HH, Barnett DM *Diabetes* 23:306-9, Apr 74 (Eng)
- HOMEOSTASIS OF BODY WEIGHT IN A DIABETES CLINIC POPULATION. Goodner CJ, Ogilvie JT *Diabetes* 23:318-26, Apr 74 (Eng)
- SULFONYLUREAS AND THE HEART. Levey GS, Lasseter KC, Palmer RF *Annu Rev Med* 25:69-74, 1974 (Eng) [24]
- [RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cuttica F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)
- [LACTIC ACID ACIDOSIS AND BIGUANIDES--A REVIEW] Bottiger LE *Lakartidningen* 70:3463-4, 3 Oct 73 (Swe) [14]
- [CLINICAL TESTS ON GLUCOPHAGE RETARD IN 50 OBESE ADULT PATIENTS WITH ADJUSTED DIABETES MELLITUS] Kopp H *Med Welt* 25:658-60, 12 Apr 74 (Ger)
- [LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLOPROPAMIDE-METFORMIN] Schulte J, Garcia Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)
- [HYPOGLYCEMIC EFFECT OF GLIPIZIDE. STUDY IN 20 DIABETIC PATIENTS WITH LOW PANCREATIC INSULIN RESERVE] Laviada E, Camara M *Prensa Med Mex* 38:297-302, Jul-Aug 73 (Spa)
- [CLINICAL TRIAL OF GLYPIZIDE] Canadell Vidal J *Rev Iber Endocrinol* 21:61-73, Jan 74 (Spa)
- EVALUATION OF THE ADAPTATION OF THE GLUCOSE OXIDASE-PEROXIDASE-3-METHYL-2-BENZOTHAZOLINONE HYDRAZONE-N,N-DIMETHYLANILINE PROCEDURE TO THE TECHNICON SMA 12-60, AND COMPARISON WITH OTHER AUTOMATED METHODS FOR GLUCOSE. Carey RN, Feldbrugge D, Westgard JO *Clin Chem* 20:595-602, May 74 (Eng)
- 1.F.9.6 DIABETES THERAPY**
- DIABETES BEFORE AND AFTER INSULIN. Allan FN *Med Hist* 16:266-73, Jul 72 (Eng)
- [MANAGEMENT OF DIABETES MELLITUS] Wechsler B *Nouv Presse Med* 3:531-4, 2 Mar 74 (Fre)
- SENSIBLE EATING FOR OLDER DIABETICS. Hillman RW *Geriatrics* 29:123-6 PASSIM, May 74 (Eng)
- [THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)
- [WARNING TO HEAD PHYSICIANS--3 MIS-TREATED CASES] Anonymous *Lakartidningen* 71:1238-9, 27 Mar 74 (Swe)
- ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP *Diabetes* 23:302-5, Apr 74 (Eng)
- HOMEOSTASIS OF BODY WEIGHT IN A DIABETES CLINIC POPULATION. Goodner CJ, Ogilvie JT *Diabetes* 23:318-26, Apr 74 (Eng)
- [EXPERIENCE IN USING CONSTANT TRANSVENOUS ENDOCARDIAL ELECTRICAL STIMULATION OF THE HEART] Dumchius AS *Kardiologia* 14:65-8, Feb 74 (Rus)
- [GUIDANCE OF DIABETIC CHILDREN IN THEIR DAILY ACTIVITIES] Anonymous *Jap J Nurs Art* 20:157-67, Apr 74 (Jap)
- 1.F.9.7 DIABETES, RADIOGRAPHY**
- 1.F.9.8 DIABETES, SURGERY**
- THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC. Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)
- 1.F.9.9 DIABETES, MORTALITY**
- [DEATHS CAUSED BY CHRONIC PYELONEPHRITIS AND KIMMELSTIEL-WILSON SYNDROME AMONG DIABETICS] Torzecka W, Mrosczyk M, Jurga-Wanick K *WHO Tech Rep Ser* 27:405-9, 1 Mar 74 (Pol)
- LETTER: MYOCARDIAL INFARCTION AND DIABETES. Harrower AD, Clarke BF *Lancet* 1:749-50, 20 Apr 74 (Eng)
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- [THE SECONDARY DISEASE IN INTERNAL MEDICINE (ANTIBACTERIAL CHEMOTHERAPY)] Hitenberger G *Int J Clin Pharmacol* 8:282-91, Dec 73 (Ger)
- [DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: GERIATRICS] Twrdy E *Int J Clin Pharmacol* 8:315-25, Dec 73 (Ger)
- REGULATION OF MAMMALIAN FATTY-ACID SYNTHETASE. THE ROLES OF CARBOHYDRATE AND INSULIN. Volpe JJ, Vagelos PR *Proc Natl Acad Sci USA* 71:889-93, Mar 74 (Eng)
- FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES. Pitkin RM, Van Orden DE *Endocrinology* 94:1247-53, May 74 (Eng)
- CAPILLARY RADIUS AND WALL THICKNESS IN NORMAL AND DIABETIC RAT RETINAE. Sosula L *Microvasc Res* 7:274-6, Mar 74 (Eng)
- DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS. Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)
- 1.F.10.2 ALLOXAN DIABETES**
- [A STUDY OF THE EMBRYOGENESIS OF THE PANCREAS AND THE PROCESS OF FORMATION OF THE INSULAR APPARATUS IN THE FETUSES OF RATS WITH PREDIABETES, LATENT AND MANIFEST ALLOXAN DIABETES] Nikitin AI *Probl Endokrinol (Mosk)* 19:73-8, Jul-Aug 73 (Rus)
- [ACTIVITY OF SOME ENZYMES IN THE GINGIVA OF DOGS WITH ALLOXAN DIABETES] Inozheba B, Anserob EM *Stomatologiya (Sofia)* 55:7-11, Jan-Feb 73 (Bul)
- 1.F.10.2.1 ALLOXAN DIABETES, BLOOD**
- 1.F.10.2.2 ALLOXAN DIABETES, DRUG THERAPY**
- [EFFECT OF INSULIN DEFICIENCY ON PHOSPHORUS LEVEL IN CASEIN IN GOAT MILK] Nowak J, Lulczynska K *Pol Arch Weter* 16:193-9, 1973 (Pol)

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#### 1.F.10.2.3 ALLOXAN DIABETES, ENZYMOLGY

ENZYMES OF GLUCOSE METABOLISM IN LIVER OF SUBJECTS WITH ADULT-ONSET DIABETES. Belfiore F, Romeo F, Napoli E, Lo Vecchio L. *Diabetes* 23:293-301, Apr 74 (Eng)

A STABILIZING FACTOR FOR LIVER PHOSPHOFRUCTOKINASE. Dunaway GA Jr, Segal HL. *Biochem Biophys Res Commun* 56:689-96, 4 Feb 74 (Eng)

#### 1.F.10.2.4 ALLOXAN DIABETES, METABOLISM

[EFFECT OF INSULIN DEFICIENCY ON PHOSPHORUS LEVEL IN CASEIN IN GOAT MILK] Nowak J, Lulczynska K. *Pol Arch Weter* 16:193-9, 1973 (Pol)

THE OXIDATIVE DESATURATION OF UNSATURATED FATTY ACIDS IN ANIMALS. Brenner RR. *Mol Cell Biochem* 3:41-52, 8 Mar 74 (Eng)

#### 1.F.10.2.5 ALLOXAN DIABETES, PATHOLOGY

#### 1.F.10.2.6 ALLOXAN DIABETES, PHYSIOPATHOLOGY

[EXPERIMENTAL ALLOXAN DIABETES IN GOLDEN HAMSTERS] Lazaris IaA, Korchin VI. *Patol Fiziol Eksp Ter* 17:72-4, Sep-Oct 73 (Rus)

#### 1.F.11 DIABETES, VETERINARY

DIABETES MELLITUS WITH PANCREATIC ATROPHY IN ANTELOPES IN THE AMSTER-

DAM ZOO. Gaag I van der, Borst GH, Vroege C. *Zentralbl Veterinaarmed [A]* 20:843-54, Dec 73 (Eng)

EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS. Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML. *Lab Invest* 30:451-7, Apr 74 (Eng)

#### 1.F.12 DIABETES, HISTORY

DIABETES BEFORE AND AFTER INSULIN. Allan FN. *Med Hist* 16:266-73, Jul 72 (Eng)

[IN MEMORIAM: PROF. JOZEF WACAW GOTT (3-5-1894--9-29-1973)] (Grott JW), Dawidowicz A. *Pol Arch Med Wewn* 51:333-6, Mar 74 (Pol)



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[TOXICITY AND PHARMACOLOGICAL PROPERTIES OF ANTINEOPLASTIC ANTIBIOTIC 1719 FROM THE CLASS OF DIAZO COMPOUNDS] Gol'dberg LE, Stepanova ES, Filippos'ants ST *Antibiotiki* 18:332-8, Apr 73 (Rus)

[CHANGES IN THE CARBOHYDRATE AND FAT METABOLIC INDICES, THE STATE OF THE SYMPATHO-ADRENAL SYSTEM AND OXIDATIVE PROCESS UNDER THE EFFECT OF COLD OF DIFFERENT INTENSITIES] Liakh LO *Fiziol Zh* 19:503-10, Jul-Aug 73 (Ukr)

[PHYSIOPATHOLOGICAL AND ANATOMOClinical BASES OF SURGERY OF DUODENAL ULCER (CORTICAL, DIENCEPHALIC, HYPOPHYSEAL, PANCREATIC, (ADRENAL) AND VAGOGASTRIC PATHOGENIC HYPOTHESIS)] Mandache F, Prodescu V, Constantinescu S, Vasiliu M, Ghergut A *Chirurgia (Bucur)* 23:97-110, Feb 74 (Rum)

PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS. Ramachandran J *Life Sci* 14:993-1005, 16 Mar 74 (Eng) [52]

#### 2.B.1 ADRENAL CORTEX

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EFFECT OF CERTAIN METABOLIC REGULATORS ON THE ACTIVITY OF LYSOSOMAL ENZYMES IN REGENERATING RAT LIVER. Chatterjee J, Pal DR, Majumder PK, Chatterjee GC *Biochem Pharmacol* 23:752-4, 1 Feb 74 (Eng)

[LACTIC ACIDOSIS IN DIABETES MELLITUS (REVIEW OF THE LITERATURE)] Limanskaia GF, Cheban AK *Probl Endocrinol (Mosk)* 19:106-9, Jul-Aug 73 (Rus)

#### 2.B.2.1 GLUCOCORTICOIDS

[MECHANISM OF ACTION OF GLUCOCORTICOIDES ON THE LYMPHATIC SYSTEM] Bojar H, Staib W *Hippokrat* 44:318-21, Oct 73 (Ger) [18]

CARDIOGENIC SHOCK: THERAPEUTIC IMPLICATIONS OF ALTERED MYOCARDIAL ENERGY BALANCE. Kones RJ *Angiology* 25:317-33, May 74 (Eng) [25]

[VARIOUS RECENT USES OF HORMONES AND THEIR MECHANISM OF ACTION ON THE CELL LEVEL] Barnabei O, Orlandi C *Recent Prog Med (Roma)* 56:47-76, Jan 74 (Ita)

#### 2.B.2.1.1 CORTISONE

EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

[DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: GERIATRICS] Twrady E *Int J Clin Pharmacol* 8:315-25, Dec 73 (Ger)

CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID. Patchefsky AS, Gordon G, Harter WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

#### 2.B.2.1.2 HYDROCORTISONE

PROCEEDINGS: L-DOPA AS A TEST OF ANTERIOR PITUITARY FUNCTION. Millar JG, Kurtz A, Aminoff MJ, Wilcox CS, Nabarro JD *J Endocrinol* 59:XXV-XXVI, Nov 73 (Eng)

THE METABOLIC EFFECTS OF NEUROLEPTANESTHESIA. Dobkin AB, Pieloch PA *Int Anesthesiol Clin* 11:155-69, Fall 73 (Eng) [31]

THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE. Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)

GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS. Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

MANAGEMENT OF PATIENTS FOR YTTRIUM-90 IMPLANTATION OF THE PITUITARY GLAND. Whitwam JG, Tunbridge WM, Fuller WJ *Br J Anaesth* 45:1121-9, Nov 73 (Eng)

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC. Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)

BRITTLE DIABETES. Oleesky S, Shreeve DR, Sutcliffe CH *Q J Med* 43:113-25, Jan 74 (Eng)

LIPID CONCENTRATION IN CRYOPRECIPITATED PLASMA USED AS PERFUSION FLUID FOR KIDNEY PRESERVATION. Brons M, Jensen EH *Scand J Urol Nephrol* 8:27-30, 1974 (Eng)

INHIBITION OF HYPOGLYCEMIA-INDUCED CORTISOL SECRETION BY THE SEROTONIN ANTAGONIST CYPROHEP-

TADINE. Plonk JW, Bivens CH, Feldman JM *J Clin Endocrinol Metab* 38:836-40, May 74 (Eng)

[PARTICIPATION OF THE SEX HORMONES IN REALIZING THE REGULATORY INFLUENCE OF HYDROCORTISONE AND INSULIN ON ASPARTATE TRANSAMINASE ACTIVITY IN THE RENAL CORTEX OF MALE AND FEMALE RATS] Poletava KA *Vopr Med Khim* 19:358-61, Jul-Aug 73 (Rus)

HORMONAL REGULATION OF TYROSINE TRANSAMINASE SYNTHESIS IN ISOLATED, RAT LIVER PERFUSED WITH SYNTHETIC MEDIUM. Otsuka H *J Biochem (Tokyo)* 75:53-8, Jan 74 (Eng)

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS. Vinik AI, Deppe WM *S Afr Med J* 147:518-24, 31 Mar 74 (Eng)

THE ROLE OF MESSENGER RNA IN TYROSINE AMINOTRANSFERASE SUPERINDUCTION: EFFECTS OF CAMPTOTHECIN ON HEPATOMA CELLS IN CULTURE. Bushnell DE, Becker JE, Potter VR *Biochem Biophys Res Commun* 56:815-21, 4 Feb 74 (Eng)

#### 2.B.2.1.3 OTHER GLUCOCORTICOIDS

NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS. Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

FACTORS AFFECTING GLYCOGEN LEVELS IN HELA CELLS: PREDNISOLONE AND ADENINE NUCLEOTIDES. Melnykovych G, Bishop CF *J Natl Cancer Inst* 51:353-60, Aug 73 (Eng)

ECTOPIC ADRENOCORTICOTROPIN SYNDROME WITH PROSTATIC CARCINOMA. Newmark SR, Dluhy RG, Bennett AH *Urology* 2:666-8, Dec 73 (Eng)

REGULATION OF STEROIDOGENESIS BY ADRENOCORTICOTROPIC HORMONE IN ISOLATED ADRENAL CELLS OF RATS. Sharma RK *J Biol Chem* 248:5473-6, 10 Aug 73 (Eng)

THE MECHANISM OF ACTION OF ADRENOCORTICOTROPIC HORMONE. THE ROLE OF MITOCHONDRIAL CHOLESTEROL ACCUMULATION IN THE REGULATION OF STEROIDOGENESIS. Mahaffee D, Reitz RC, Ney RL *J Biol Chem* 249:227-33, 10 Jan 74 (Eng)

MANAGEMENT OF PATIENTS FOR YTTRIUM-90 IMPLANTATION OF THE PITUITARY GLAND. Whitwam JG, Tunbridge WM, Fuller WJ *Br J Anaesth* 45:1121-9, Nov 73 (Eng)

## 2.B ADRENAL GLANDS

PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOID IN SUBHUMAN PRIMATES. Like AA, Chick WL *Am J Pathol* 75:329-48, May 74 (Eng)

[LARGE INTRAVENOUS DOSES OF CORTISONE IN RENAL TRANSPLANTATION] Stummvoll HK, Pinggera WF, Oppolzer R, Singer F, Wolf A *Wien Med Wochenschr* 124:232-5, Apr 74 (Ger)

STIMULATION OF ENZYME SYNTHESIS AND INHIBITION OF DNA SYNTHESIS AND GROWTH RATE BY CYCLIC AMP DERIVATIVES IN CULTURED HEPATOMA CELLS. Wicks WD, Wijk R van, McKibbin JB *Adv Enzyme Regul* 11:117-35, 1973 (Eng)

[EXPERIENCE WITH USING GLUCAGON IN ACUTE MYOCARDIAL INFARCT] Golikov AP, Berestov AA, Abdrakhmanov VR, Bobkov AI *Kardiologiya* 14:37-42, Feb 74 (Rus)

CORTICOSTEROID MANAGEMENT OF HEMORRHAGIC GLAUCOMA. Drews RC *Trans Am Acad Ophthalmol Otolaryngol* 78:OP334-6, Mar-Apr 74 (Eng)

[BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD] Kaser H, Wagner HP, Zuppinger K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)

[THE EFFECT OF MORPHINE, PETHIDINE AND CLORPROMAZINE ON THE HYPOTHALAMO-PITUITARY-ADRENAL SYSTEM (AUTHORS TRANSL.)] Morgner KD, Fissan H, Lucke C *Klin Wochenschr* 51:1205-7, 15 Dec 73 (Ger)

HORMONAL REGULATION OF TYROSINE TRANSAMINASE SYNTHESIS IN ISOLATED, RAT LIVER PERFUSED WITH SYNTHETIC MEDIUM. Otsuka H *J Biochem (Tokyo)* 75:53-8, Jan 74 (Eng)

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

### 2.B.2.2 MINERALOCORTICOID

COMPARATIVE STUDY OF THE EFFECTS OF METOLAZONE AND OTHER DIURETICS ON POTASSIUM EXCRETION. Puschett JB, Rastegar A *Clin Pharmacol Ther* 15:398-405, Apr 74 (Eng)

[THE SECONDARY DISEASE IN INTERNAL MEDICINE (ANTIBACTERIAL CHEMOTHERAPY)] Hitzenger G *Int J Clin Pharmacol* 8:282-91, Dec 73 (Ger)

CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID. Patchefsky AS, Gordon G, Harter WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

THE EFFECT OF GLUCOSE ON URINARY CATION EXCRETION DURING CHRONIC EXTRACELLULAR VOLUME EXPANSION IN NORMAL MAN. Lennon EJ, Lemann J Jr, Piering WF, Larson LS *J Clin Invest* 53:1424-33, May 74 (Eng)

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

## 2.B.3 ADRENAL MEDULLA

### 2.B.3.1 EPINEPHRINE

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN: MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUABAIN AND MN00. Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)

INFLUENCE OF AGE AND CLIMATOLOGICAL VARIATIONS ON BLOOD GLUCOSE AND ADRENOMEDULLARY CATECHOLAMINES IN THE PIGEON. Lahiri P *Acta Physiol Pol* 24:817-29, Nov-Dec 73 (Eng)

PHOSPHOFRUCTOKINASE. Mansour TE *Curr Top Cell Regul* 5:1-46, 1972 (Eng) [143]

PROTEIN KINASES. Krebs EG *Curr Top Cell Regul* 5:99-133, 1972 (Eng) [185]

EFFECTS OF FOOD DEPRIVATION, DISCRIMINATION EXPERIENCE AND PHYSOSTIGMINE ON CHOLINE ACETYLASE AND ACETYLCHOLINE ESTERASE IN THE DORSAL HIPPOCAMPUS AND FRONTAL CORTEX OF RATS. Izquierdo JA, Baratti CM, Torrelío M, Arevalo L, McGaugh JL *Psychopharmacologia* 33:103-10, 23 Oct 73 (Eng)

EFFECTS OF ADRENOCROME AND SODIUM PERBORATE ON ISOLATED FAT CELL METABOLISM. Wieser PB, Fain JN *Biochem Pharmacol* 22:3209-16, 15 Dec 73 (Eng)

[DIFFERENCES IN GLYCEMIC CURVES IN ALBINO BN AND BLACK C57BL MICE FOLLOWING INTRAPERITONEAL ADRENALINE ADMINISTRATION] Zbyt-niewski Z, Tarzynska-Kleindner J *Endokrynol Pol* 24:459-65, Nov-Dec 73 (Pol)

STUDIES ON THE CIRCADIAN RHYTHM OF PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY IN RATS. II. EFFECT OF THE AUTONOMIC NERVOUS SYSTEM ON THE RHYTHM IN LIVER. Nagai K, Suda M, Nakagawa H *J Biochem (Tokyo)* 74:863-71, Nov 73 (Eng)

INFLUENCE OF LITHIUM IONS ON EPINEPHRINE-STIMULATED ADENYLATE CYCLASE ACTIVITY IN CULTURED GLIAL TUMOR CELLS. Schimmer BP *Biochim Biophys Acta* 327:186-92, 15 Nov 73 (Eng)

PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION. Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC. Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)

ADENYLATE CYCLASE ACTIVITY IN IMMATURE RABBIT LUNG. Barrett CT, Sevanian A, Kaplan SA *Pediatr Res* 8:244-7, Apr 74 (Eng)

EFFECTS OF ADRENERGIC AGENTS, THEOPHYLLINE AND OTHER DRUGS ON DEXTRAN EDEMA AND HISTAMINE RELEASE IN RATS. Baxter JH, Beaven MA, Horakova Z *Biochem Pharmacol* 23:1211-7, 1 Apr 74 (Eng)

CARDIOGENIC SHOCK: THERAPEUTIC IMPLICATIONS OF ALTERED MYOCARDIAL ENERGY BALANCE. Kones RJ *Angiology* 25:317-33, May 74 (Eng) [25]

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnava H *Diabetes* 23:268-75, Apr 74 (Eng)

A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA0-K0 ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

[BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD] Kaser H, Wagner HP, Zuppinger K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)

STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS. Vinik AI, Deppe WM S *Afr Med J* 47:518-24, 31 Mar 74 (Eng)

### 2.B.3.2 NOREPINEPHRINE

THE EFFECT OF PROSTAGLANDIN E1 ON NOREPINEPHRINE-INDUCED MEMBRANE DEPOLARIZATION AND CYCLIC AMP ACCUMULATION IN BROWN FAT CELLS. Moskowitz J, Krishna G *Pharmacology* 10:129-35, 1973 (Eng)

ROLE OF ADIPOSE TISSUE LIPOLYSIS IN POSTNATAL AMELIORATION OF THERMOGENESIS IN DOMESTIC AND WILD PIGLETS. Horn GW, Foley CW, Seerley RW, Munnell JF *J Anim Sci* 37:1356-61, Dec 73 (Eng)

INFLUENCE OF AGE AND CLIMATOLOGICAL VARIATIONS ON BLOOD GLUCOSE AND ADRENOMEDULLARY CATECHOLAMINES IN THE PIGEON. Lahiri P *Acta Physiol Pol* 24:817-29, Nov-Dec 73 (Eng)

[BETADRENOL INFLUENCE ON CARDIOVASCULAR AND METABOLIC BEHAVIOR IN ORAL SURGERY WITH LOCAL ANESTHESIA] Tetsch P, Brisse B, Eismann U *Dtsch Zahnärztl Z* 28:1011-5, Oct 73 (Ger)

ADRENERGIC BETA-RECEPTOR BLOCKADE AND METABOLIC RESPONSE TO CENTRIFUGATION STRESS. Harrison MH *J Appl Physiol* 35:793-7, Dec 73 (Eng)

INFLUENCE OF MAXIMAL VASODILATION ON GLUCOSE AND SODIUM BLOOD-TISSUE TRANSPORT IN CANINE HEART. Duran WN, Alvarez OA, Yudilevich DL *Microvasc Res* 6:347-59, Nov 73 (Eng)

STUDIES ON THE CIRCADIAN RHYTHM OF PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY IN RATS. II. EFFECT OF THE AUTONOMIC NERVOUS SYSTEM ON THE RHYTHM IN LIVER. Nagai K, Suda M, Nakagawa H *J Biochem (Tokyo)* 74:863-71, Nov 73 (Eng)

THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE. Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)

[BASAL AND NORADRENALIN-STIMULATED LIPOLYSIS IN ISOLATED HUMAN FAT CELLS UNDER ISOCALORIC AND HYPICALORIC DIET (AUTHORS TRANSL.)] Lisch HJ, Dittrich P, Sailer S, Sandhofer F, Braunsteiner H *Klin Wochenschr* 51:735-7, 15 Jul 73 (Ger)

EFFECTS OF ADRENERGIC AGENTS, THEOPHYLLINE AND OTHER DRUGS ON DEXTRAN EDEMA AND HISTAMINE RELEASE IN RATS. Baxter JH, Beaven MA, Horakova Z *Biochem Pharmacol* 23:1211-7, 1 Apr 74 (Eng)

## 2.E PITUITARY GLAND

**CARDIOGENIC SHOCK: THERAPEUTIC IMPLICATIONS OF ALTERED MYOCARDIAL ENERGY BALANCE.** Kones RJ *Angiology* 25:317-33, May 74 (Eng) [25]

**FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS.** Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

**SULFONYLUREAS AND THE HEART.** Levey GS, Lasserter KC, Palmer RF *Annu Rev Med* 25:69-74, 1974 (Eng) [24]

**EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM.** Omachi RS, Robb DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)

**ANTIARRHYTHMIC AND GENERAL CARDIOVASCULAR ACTIVITY OF THE N,N-DIMETHYLQUATERNARY AMMONIUM DERIVATIVE OF BUNOLOL.** Kaplan HR, Barker JW, Dugan D, Fox J, Giardino E *Arch Int Pharmacodyn Ther* 207:28-43, Jan 74 (Eng)

### 2.B.4 ADRENALECTOMY

**COLD ADAPTATION. 3. EFFECTS OF CATECHOLAMINES AND THYROID HORMONE ON INDUCTION OF LIVER PHOSPHOENOLPYRUVATE CARBOXYKINASE ON COLD-EXPOSURE.** Nagai K, Nakagawa H *J Biochem (Tokyo)* 74:873-9, Nov 73 (Eng)

**[EFFECTS OF ANTIDIABETIC BIGUANIDES ON VARIOUS TYPES OF LIPID MOBILIZATION IN THE RABBIT]** Marquie G, Agid R *J Physiol (Paris)* 66:345-56, Sep 73 (Fre)

### 2.B.5 ADRENAL DISORDERS

**MANAGEMENT OF PATIENTS FOR YTTRIUM-90 IMPLANTATION OF THE PITUITARY GLAND.** Whitwam JG, Tunbridge WM, Fuller WJ *Br J Anaesth* 45:1121-9, Nov 73 (Eng)

**DISTANT MANIFESTATIONS OF COLONIC CARCINOMA.** Troncale FJ *Ann NY Acad Sci* 230:332-8, 1974 (Eng) [50]

**CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS.** Sonksen PH *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)

**[BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD]** Kaser H, Wagner HP, Zuppinger K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)

**[PRINCIPLES OF PHYSIOPATHOLOGY: HYPOGLYCEMIA]** Bonnal J *Rev Med Liege* 29:217-21, 15 Apr 74 (Fre)

## 2.C THYROID GLAND

**[INTERPRETATION OF THE RESULTS OF HISTOCHEMICAL STUDY OF CARBOHYDRATE METABOLISM IN THE THYROID GLAND]** Tkachev AV, Vazilo VE, Zaichik VE *Probl Endokrinol (Mosk)* 19:104-6, Nov-Dec 73 (Rus)

### 2.C.1 THYROID HORMONES

**EFFECT OF THYROXINE AND GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT.** Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 74:24-40, Sep 73 (Eng)

**THYROID HORMONE ACTION IN CELL CULTURE: DEMONSTRATION OF NUCLEAR RECEPTORS IN INTACT CELLS AND ISOLATED NUCLEI.** Samuels HH, Tsai JS *Proc Natl Acad Sci USA* 70:3488-92, Dec 73 (Eng)

**THE THYROID AND ATHEROSCLEROTIC ARTERIAL DISEASE.** Menof P S *Afr Med J* 47:2315-25, 8 Dec 73 (Eng)

**CELL KINETICS OF THE GROWTH PLATE IN HYPOPHYSECTOMIZED RATS TREATED WITH GROWTH HORMONE AND THYROXINE.** Thorngren KG, Hansson LI *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73 (Eng)

**THE METABOLISM OF LDL.** Myant NB *Adv Exp Med Biol* 38:53-67, 1973 (Eng) [26]

**EFFECT OF THYROID HORMONES AND DIETARY FAT ON THE INTERRELATION OF LIPID AND CARBOHYDRATE METABOLISM IN RATS.** Felt V *Endocrinol Exp (Bratisl)* 7:283-91, 1973 (Eng)

**SERUM TRIIODOTHYRONINE IN HEALTH AND DISEASE.** Patel YC, Burger HG *Clin Endocrinol (Oxf)* 2:339-49, Oct 73 (Eng)

**COLD ADAPTATION. 3. EFFECTS OF CATECHOLAMINES AND THYROID HORMONE ON INDUCTION OF LIVER PHOSPHOENOLPYRUVATE CARBOXYKINASE ON COLD-EXPOSURE.** Nagai K, Nakagawa H *J Biochem (Tokyo)* 74:873-9, Nov 73 (Eng)

**[DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: GERIATRICS]** Twrly E *Int J Clin Pharmacol* 8:315-25, Dec 73 (Ger)

**PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION.** Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

**[GASTROINTESTINAL HORMONES AND LOWER ESOPHAGEAL SPHINCTER]** Siewert R, Waldeck F, Peiper HJ *Chirurg* 45:28-33, Jan 74 (Ger)

**[THE RELATIONSHIP BETWEEN THYROID HORMONES AND THE INDUCTION OF TRYPTOPHAN OXYGENASE BY INSULIN]** Stroeve EA, Iliukhin VI *Probl Endokrinol (Mosk)* 19:82-4, Jul-Aug 73 (Rus)

**ROLE OF THE THYROID IN THE DEVELOPMENT OF THE OBESE-HYPERGLYCEMIC SYNDROME IN MICE (OBOB).** Joosten HF, Kroon PH van der *Metabolism* 23:425-36, May 74 (Eng)

**[DIABETES AND PREGNANCY]** Riet HG van, Kal J, Haspels AA *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]

**PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS.** Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

### 2.C.2 THYROID ANTAGONISTS

### 2.C.3 THYROID DISORDERS

**THE THYROID AND ATHEROSCLEROTIC ARTERIAL DISEASE.** Menof P S *Afr Med J* 47:2315-25, 8 Dec 73 (Eng)

**THE METABOLISM OF LDL.** Myant NB *Adv Exp Med Biol* 38:53-67, 1973 (Eng) [26]

**[PROOF OF INCREASED HYPOTHALAMIC ACTIVITY]** Mosonyi L, Gonczy J, Palossy B, Dobias G *Wien Z Inn Med* 54:114-9, 1973 (Ger)

**SERUM TRIIODOTHYRONINE IN HEALTH AND DISEASE.** Patel YC, Burger HG *Clin Endocrinol (Oxf)* 2:339-49, Oct 73 (Eng)

**[EDITORIAL: HL-A AND DISEASES]** Dausset J *Nouv Presse Med* 3:499-501, 2 Mar 74 (Fre)

**OCULAR MANIFESTATIONS OF SYSTEMIC DISEASES.** Schmidt I *Am J Optom Physiol Opt* 51:228-39, Mar 74 (Eng) [88]

**[PREVENTION OF CEREBRAL STROKES]** Jarema M *Neurol Neurochir Pol* 8:221-4, Mar-Apr 74 (Pol) [20]

**ACQUIRED DISORDERS OF HEMOGLOBIN.** Bradley TB, Ranney HM *Prog Hematol* 8:77-98, 1973 (Eng)

**HYPERTHYROIDISM IN PATIENTS OVER THE AGE OF 60 YEARS. CLINICAL FEATURES IN 85 PATIENTS.** Davis PJ, Davis FB *Medicine (Baltimore)* 53:161-81, May 74 (Eng)

## 2.D PARATHYROID GLANDS

**[DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: DERMATOLOGY]** Tronchier H *Int J Clin Pharmacol* 8:337-49, Dec 73 (Ger)

**PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION.** Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

**FAMILIAL CHRONIC PANCREATITIS ASSOCIATED WITH PANCREATIC LITHIASIS.** Sato T, Saito Y *Am J Surg* 127:511-7, May 74 (Eng)

**DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION.** McCarty DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)

**INTERACTIONS OF PARATHYROID HORMONE AND PLASMA MEMBRANES FROM RAT KIDNEY.** Malbon CG, Zull JE *Biochem Biophys Res Commun* 56:952-8, 27 Feb 74 (Eng)

## 2.E PITUITARY GLAND

**ADENOSINE 3,5 CYCLIC MONOPHOSPHATE ASSAY AT 10-15 MOLE LEVEL.** Cailla HL, Racine-Weisbuch MS, Delaage MA *Anal Biochem* 56:394-407, Dec 73 (Eng)

**PHOSPHORYLATION OF ADENOHYPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED PROTEIN KINASE.** Lemay A, Deschenes M, Lemaire S, Poirier G, Poulin L, Labrie F *J Biol Chem* 249:323-8, 10 Jan 74 (Eng)

### 2.E.1 PITUITARY HORMONES, ANTERIOR

**ONCOCYTES IN THE ANTERIOR LOBE OF THE HUMAN PITUITARY GLAND. A LIGHT AND ELECTRON MICROSCOPIC STUDY.** Kovacs K, Horvath E, Bilbao JM *Acta Neuropathol (Berl)* 27:43-53, 7 Feb 74 (Eng)

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### 2.E PITUITARY GLAND

**PROCEEDINGS: L-DOPA AS A TEST OF ANTERIOR PITUITARY FUNCTION.** Millar JG, Kurtz A, Aminoff MJ, Wilcox CS, Nabarro JD *J Endocrinol* 59:XXV-XXVI, Nov 73 (Eng)

**[CHEMISTRY OF HYPOTHALAMIC HYPOPHYSOTROPIC HORMONES]** Kasafirek E *Cesk Farm* 22:364-74, 1973 (Cze)

**LIPOLYTIC ACTIVITY OF MET-ARG-HIS-PHE-ARG-TRP-GLY, A SYNTHETIC ANALOG OF THE ACTH (4-10) CORE SEQUENCE.** Draper MW, Merrifield RB, Rizack MA *J Med Chem* 16:1326-30, Dec 73 (Eng)

**ECTOPIC ADRENOCORTICOTROPIN SYNDROME WITH PROSTATIC CARCINOMA.** Newmark SR, Dluhy RG, Bennett AH *Urology* 2:666-8, Dec 73 (Eng)

**ELECTRON MICROSCOPIC-IMMUNOCYTOCHEMICAL LOCALIZATION OF ADRENOCORTICOTROPIN AND MELANOCYTE STIMULATING HORMONE IN THE PARS INTERMEDIA CELLS OF RATS AND MICE.** Naik DV *Z Zellforsch Mikrosk Anat* 142:305-28, 17 Sep 73 (Eng)

**[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE]** Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

**REGULATION OF STEROIDOGENESIS BY ADRENOCORTICOTROPIC HORMONE IN ISOLATED ADRENAL CELLS OF RATS.** Sharma RK *J Biol Chem* 248:5473-6, 10 Aug 73 (Eng)

**THE MECHANISM OF ACTION OF ADRENOCORTICOTROPIC HORMONE. THE ROLE OF MITOCHONDRIAL CHOLESTEROL ACCUMULATION IN THE REGULATION OF STEROIDOGENESIS.** Mahaffee D, Reitz RC, Ney RL *J Biol Chem* 249:227-33, 10 Jan 74 (Eng)

**PURIFICATION OF ADENOHYPOPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED ADENYLATE CYCLASE.** Poirier G, De Lean A, Pelletier G, Lemay A, Labrie F *J Biol Chem* 249:316-22, 10 Jan 74 (Eng)

**[THE ACTIVATING ROLE OF ACTH IN THE MECHANISM OF EQUILIBRATION OF FUNCTIONS OF THE BODY]** Simionescu S *Rev Roum Physiol* 10:467-9, 1973 (Fre)

**[PHYSIOPATHOLOGICAL AND ANATOMOClinical BASES OF SURGERY OF DUODENAL ULCER (CORTICAL, DIENCEPHALIC, HYPOPHYSAL, PANCREATIC, ADRENAL) AND VAGOGASTRIC PATHOGENIC HYPOTHESIS]** Mandache F, Prodescu V, Constantinescu S, Vasiliu M, Ghergut A *Chirurgia (Bucur)* 23:97-110, Feb 74 (Rum)

**PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS.** Ramachandran J *Life Sci* 14:993-1005, 16 Mar 74 (Eng) [52]

**CARCINOMA TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOMA.** Patchefsky AS, Gordon G, Harrer WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

**[CHEMICAL SYNTHESIS AND PROPERTIES OF PEPTIDIC HORMONE ANALOGUES (AUTHORS TRANSL.)]** Lutz W, Klyszejko-Stefanowicz L *Postepy Biochem* 20:35-66, 1974 (Pol)

**INTERACTIONS OF PARATHYROID HORMONE AND PLASMA MEMBRANES FROM RAT KIDNEY.** Malbon CG, Zull JE *Biochem Biophys Res Commun* 56:952-8, 27 Feb 74 (Eng)

### 2.E.1.2 SOMATOTROPIN

**STIMULATION OF GROWTH HORMONE RELEASE FROM SUPERFUSED RAT PITUITARY BY EXTRACTS OF HYPOTHALAMUS AND OF HUMAN LUNG TUMOURS.** Beck C, Larkins RG, Martin TJ, Burger HG *J Endocrinol* 59:325-33, Nov 73 (Eng)

**PROCEEDINGS: FACTORS AFFECTING THE RELEASE AND SYNTHESIS OF TELEOST PITUITARY POLYPEPTIDE HORMONES.** Baker BI, Ingleton PM *J Endocrinol* 59:XL, Nov 73 (Eng)

**PROCEEDINGS: L-DOPA AS A TEST OF ANTERIOR PITUITARY FUNCTION.** Millar JG, Kurtz A, Aminoff MJ, Wilcox CS, Nabarro JD *J Endocrinol* 59:XXV-XXVI, Nov 73 (Eng)

**EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSCTOMIZED RAT.** Thorngren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

**EFFECT OF THYROXINE AND GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSCTOMIZED RAT.** Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 74:24-40, Sep 73 (Eng)

**PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY.** Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

**[CHEMISTRY OF HYPOTHALAMIC HYPOPHYSOTROPIC HORMONES]** Kasafirek E *Cesk Farm* 22:364-74, 1973 (Cze)

**STUDIES ON IN VITRO SYNTHESIS AND SECRETION OF GROWTH HORMONE AND PROLACTIN. II. EVIDENCE AGAINST THE EXISTENCE OF PRECURSOR MOLECULES.** Zanini A, Giannattasio G, Meldolesi J *Endocrinology* 91:104-11, Jan 74 (Eng)

**CELL KINETICS OF THE GROWTH PLATE IN HYPOPHYSCTOMIZED RATS TREATED WITH GROWTH HORMONE AND THYROXINE.** Thorngren KG, Hansson LI *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73 (Eng)

**[GROWTH HORMONE AND ENZYMES]** Takeda Y, Inoue H *Clin Endocrinol (Tokyo)* 21:781-8, Aug 73 (Jap) [55]

**[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE]** Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

**GROWTH HORMONE LEVELS IN VITAMIN B6-DEFICIENT RATS.** Makris A, Gershtoff SH *Horm Metab Res* 5:457-61, Nov 73 (Eng)

**PLASMA DISAPPEARANCE OF RADIOIODINATED DOG GROWTH HORMONE IN THE DOG.** Kramer MW, Pearson SE, Michaelson SM *Horm Metab Res* 5:470-1, Nov 73 (Eng)

**INFLUENCE OF EXOGENOUS GROWTH HORMONE AND ITS ANTISERUM ON PLASMA FREE FATTY ACID LEVEL IN THE PIGEON.** John TM, McKeown BA, George JC *Comp Biochem Physiol [A]* 46:497-504, 1 Nov 73 (Eng)

**[EFFECT OF GROWTH HORMONE (STH) ON THE DYNAMICS OF ANTIBODY FORMATION IN ANIMALS IMMUNIZED WITH RS VIRUS]** Wilczynski J, Sadowski W *Med Doss Mikrobiol* 25:327-33, 1973 (Pol)

**GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS.** Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

**EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS.** Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV *Lancet* 1:697-701, 20 Apr 74 (Eng)

**THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC.** Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)

**EFFECTS OF MEDROXYPROGESTERONE ACETATE ON CARBOHYDRATE METABOLISM.** Tuttle S, Turkington VE *Obstet Gynecol* 43:685-92, May 74 (Eng)

**PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS.** Ramachandran J *Life Sci* 14:993-1005, 16 Mar 74 (Eng) [52]

**BRITTLE DIABETES.** Olesky S, Shreeve DR, Sutcliffe CH *Q J Med* 43:113-25, Jan 74 (Eng)

**LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY.** Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)

**[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION]** Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

**[GROWTH HORMONE AND INSULIN CONCENTRATIONS IN HUMAN PLASMA FLOWING FROM DIFFERENT ORGANS]** Fedotov VP, Gebel' G, Sokolov IaA, Chestukhin VV *Probl Endokrinol (Mosk)* 19:6-9, Jul-Aug 73 (Rus)

**HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA.** Marks LJ, Steinke J, Podolsky S, Egdahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)

**ALTERED GROWTH HORMONE HOMEOSTASIS DURING ACUTE BACTERIAL SEPSIS IN THE RHESUS MONKEY.** Rayfield EJ, George DT, Beisel WR *J Clin Endocrinol Metab* 38:746-54, May 74 (Eng)

**RESPONSIVENESS OF HUMAN SUBJECTS TO HUMAN GROWTH HORMONE: RELATION TO BONE AGE.** Rudman D, Patterson JH, Gibbas DL, Richardson TJ, Awrich AI, Anthony AE, Bixler TJ 2d, Giansanti JS *J Clin Endocrinol Metab* 38:848-55, May 74 (Eng)

**ISOLATED GROWTH HORMONE DEFICIENCY AND RELATED DISORDERS.** Merimee TJ *Annu Rev Med* 25:137-42, 1974 (Eng) [20]

**GROWTH HORMONE IN DYSTROPHIA MYOTONICA.** Caughey JE, Koochek MH *Nz Med J* 79:685-7, 27 Feb 74 (Eng)

**CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS.** Sonksen PH *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)

**[DIABETES AND PREGNANCY]** Riet HG van, Kal J, Haspels AA *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]

**PROCEEDINGS: GROWTH HORMONE SECRETION DURING SLEEP IN SHORT CHILDREN: A CONTINUOUS SAMPLING STUDY.** Howse PM, Rayner PH, Williams JW, Rudd BT *Arch Dis Child* 49:246, Mar 74 (Eng)

**HORMONAL AND NUTRITIONAL INTERRELATIONSHIPS AND THEIR EFFECTS ON SKELETAL MUSCLE.** Trenkle A *J Anim Sci* 38:1142-9, May 74 (Eng) [50]

## 2.E PITUITARY GLAND

ROUTINE ULTRAMICRO-MEASUREMENT OF HUMAN GROWTH HORMONE IN PLASMA BY SOLID-PHASE RADIOIMMUNOASSAY. Ogawa N *Endocrinol Jap* 20:587-94, Dec 73 (Eng)

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

LETTER: PATHOGENESIS OF OBESITY IN PRADER-WILLI SYNDROME. Mace J, Gotlin RW, Dubois R *J Pediatr* 84:927-8, Jun 74 (Eng)

[PRESENT-DAY PROBLEMS OF THE THERAPEUTIC USE OF SOMATOTROPIN] Prandota J *Postepy Hig Med Dosw* 26:793-803, Nov-Dec 72 (Pol)

STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS. Vinik AI, Deppe WM *S Afr Med J* 47:518-24, 31 Mar 74 (Eng)

ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY. Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

### 2.E.1.3 THYROTROPIN

[CHEMISTRY OF HYPOTHALAMIC HYPOPHYSOTROPIC HORMONES] Kasafirek E *Cesk Farm* 22:364-74, 1973 (Cze)

[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE] Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

SERUM TRIIODOTHYRONINE IN HEALTH AND DISEASE. Patel YC, Burger HG *Clin Endocrinol (Oxf)* 2:339-49, Oct 73 (Eng)

STIMULATION OF TSH RELEASE AND GLUCOSE OXIDATION IN PITUITARIES FROM THYROIDECTOMIZED RATS BY THYROTROPIN RELEASING FACTOR (TRF). Dubovsky EV, Beschi RJ, Pittman JA, Lindsay RH *Ala J Med Sci* 10:270-7, Jul 73 (Eng)

### 2.E.1.4 GONADOTROPINS, PITUITARY

PROCEEDINGS: FACTORS AFFECTING THE RELEASE AND SYNTHESIS OF TELEOST PITUITARY POLYPEPTIDE HORMONES. Baker BI, Ingleton PM *J Endocrinol* 59:XL, Nov 73 (Eng)

[CHEMISTRY OF HYPOTHALAMIC HYPOPHYSOTROPIC HORMONES] Kasafirek E *Cesk Farm* 22:364-74, 1973 (Cze)

STUDIES ON IN VITRO SYNTHESIS AND SECRETION OF GROWTH HORMONE AND PROLACTIN. II. EVIDENCE AGAINST THE EXISTENCE OF PRECURSOR MOLECULES. Zanini A, Giannattasio G, Meldolesi J *Endocrinology* 91:104-11, Jan 74 (Eng)

[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE] Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

PURIFICATION OF ADENOHYPOPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED ADENYLATE CYCLASE. Poirier G, De Lean A, Pelletier G, Lemay A, Labrie F *J Biol Chem* 249:316-22, 10 Jan 74 (Eng)

LONG-TERM THERAPY WITH LOW-DOSE CISLUMIPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE. Reyes FI, Fauman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

### 2.E.2 PITUITARY HORMONES, POSTERIOR

GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS. Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

[DIAGNOSIS AND CURRENT TREATMENT OF DIABETES INSIPIDUS. APROPOS OF 10 CASES] Schaison G, Nathan C, Gilbert-Dreyfus Sem *Hop Paris* 49:2825-31, 26 Oct 73 (Fre)

EFFECT OF CHLORPROPAMIDE ON OSMOTIC WATER FLOW ACROSS TOAD BLADDER AND THE RESPONSE TO VASOPRESSIN, THEOPHYLLINE AND CYCLIC AMP. Mendoza SA, Brown CF Jr *J Clin Endocrinol Metab* 38:883-9, May 74 (Eng)

SYNDROME OF HYPERNATREMIA, HYPODIP-SIA AND PARTIAL DIABETES INSIPIDUS: A NEW INTERPRETATION. Sridhar CB, Calvert GD, Ibbertson HK *J Clin Endocrinol Metab* 38:890-901, May 74 (Eng)

EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM. Omachi RS, Robbie DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)

[CHEMICAL SYNTHESIS AND PROPERTIES OF PEPTIDIC HORMONE ANALOGUES (AUTHORS TRANSL)] Lutz W, Klyszejko-Stefanowicz L *Postepy Biochem* 20:35-66, 1974 (Pol)

### 2.E.3 PITUITARY HORMONES, INTERMEDIATE

[CHEMISTRY OF HYPOTHALAMIC HYPOPHYSOTROPIC HORMONES] Kasafirek E *Cesk Farm* 22:364-74, 1973 (Cze)

ELECTRON MICROSCOPIC-IMMUNOCYTOCHEMICAL LOCALIZATION OF ADRENOCORTICOTROPIN AND MELANOCYTE STIMULATING HORMONE IN THE PARS INTERMEDIA CELLS OF RATS AND MICE. Naik DV *Z Zellforsch Mikrosk Anat* 142:305-28, 17 Sep 73 (Eng)

PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS. Ramachandran J *J Life Sci* 14:993-1005, 16 Mar 74 (Eng) [52]

### 2.E.4 PITUITARY HORMONE RELEASING FACTORS

[CHEMISTRY OF HYPOTHALAMIC HYPOPHYSOTROPIC HORMONES] Kasafirek E *Cesk Farm* 22:364-74, 1973 (Cze)

SERUM TRIIODOTHYRONINE IN HEALTH AND DISEASE. Patel YC, Burger HG *Clin Endocrinol (Oxf)* 2:339-49, Oct 73 (Eng)

STIMULATION OF TSH RELEASE AND GLUCOSE OXIDATION IN PITUITARIES FROM

THYROIDECTOMIZED RATS BY THYROTROPIN RELEASING FACTOR (TRF). Dubovsky EV, Beschi RJ, Pittman JA, Lindsay RH *Ala J Med Sci* 10:270-7, Jul 73 (Eng)

PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS. Ramachandran J *J Life Sci* 14:993-1005, 16 Mar 74 (Eng) [52]

POTENTIAL MECHANISMS RESPONSIBLE FOR PRENATAL AND PERINATAL MORTALITY OR LOW VIABILITY OF SWINE. Stanton HC, Carroll JK *J Anim Sci* 38:1037-44, May 74 (Eng) [53]

### 2.E.5 HYPOPHYSECTOMY

EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

EFFECT OF THYROXINE AND GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 74:24-40, Sep 73 (Eng)

CELL KINETICS OF THE GROWTH PLATE IN HYPOPHYSECTOMIZED RATS TREATED WITH GROWTH HORMONE AND THYROXINE. Thorngren KG, Hansson LI *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73 (Eng)

THE MECHANISM OF ACTION OF ADRENOCORTICOTROPIC HORMONE. THE ROLE OF MITOCHONDRIAL CHOLESTEROL ACCUMULATION IN THE REGULATION OF STEROIDOGENESIS. Mahaffee D, Reitz RC, Ney RL *J Biol Chem* 249:227-33, 10 Jan 74 (Eng)

CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS. Sonksen PH *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)

HORMONAL AND NUTRITIONAL INTER-RELATIONSHIPS AND THEIR EFFECTS ON SKELETAL MUSCLE. Trenkle A *J Anim Sci* 38:1142-9, May 74 (Eng) [50]

### 2.E.6 PITUITARY DISORDERS

GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS. Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

MANAGEMENT OF PATIENTS FOR YTTRIUM-90 IMPLANTATION OF THE PITUITARY GLAND. Whitwam JG, Tunbridge WM, Fuller WJ *Br J Anaesth* 45:1121-9, Nov 73 (Eng)

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

LETTER: GROWTH IN DIABETIC CHILDREN. Murthy DY, Jackson RL *Lancet* 1:736-7, 20 Apr 74 (Eng)

[DIAGNOSIS AND CURRENT TREATMENT OF DIABETES INSIPIDUS. APROPOS OF 10 CASES] Schaison G, Nathan C, Gilbert-Dreyfus Sem *Hop Paris* 49:2825-31, 26 Oct 73 (Fre)

SYNDROME OF HYPERNATREMIA, HYPODIP-SIA AND PARTIAL DIABETES INSIPIDUS: A NEW INTERPRETATION. Sridhar CB, Calvert

## 2.F GONADS

GD, Ibbertson HK *J Clin Endocrinol Metab* 38:890-901, May 74 (Eng)

HYPOGLYCEMIA IN ASSOCIATION WITH EXTRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA INSULIN BY A NEW RADIORECEPTOR ASSAY. Megyesi K, Kahn CR, Roth J, Gordon P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)

ISOLATED GROWTH HORMONE DEFICIENCY AND RELATED DISORDERS. Merimee TJ *Annu Rev Med* 25:137-42, 1974 (Eng) [20]

CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS. Sonksen PH *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)

[PRINCIPLES OF PHYSIOPATHOLOGY: HYPOGLYCEMIA] Bonnal J *Rev Med Liege* 29:217-21, 15 Apr 74 (Fre)

ROUTINE ULTRAMICRO-MEASUREMENT OF HUMAN GROWTH HORMONE IN PLASMA BY SOLID-PHASE RADIOIMMUNOASSAY. Ogawa N *Endocrinol Jap* 20:587-94, Dec 73 (Eng)

[PRESENT-DAY PROBLEMS OF THE THERAPEUTIC USE OF SOMATOTROPIN] Prandota J *Postepy Hig Med Dosw* 26:793-803, Nov-Dec 72 (Pol)

ONCOCYTES IN THE ANTERIOR LOBE OF THE HUMAN PITUITARY GLAND. A LIGHT AND ELECTRON MICROSCOPIC STUDY. Kovacs K, Horvath E, Bilbao JM *Acta Neuropathol (Berl)* 27:43-53, 7 Feb 74 (Eng)

## 2.F GONADS

A MODIFICATION OF THE ROE PROCEDURE FOR DETERMINATION OF FRUCTOSE IN TISSUES WITH INCREASED SPECIFICITY. Foreman D, Gaylor L, Evans E, Trella C *Anal Biochem* 56:584-90, Dec 73 (Eng)

### 2.F.1 OVARY

[THE ACTIVATING ROLE OF ACTH IN THE MECHANISM OF EQUILIBRATION OF FUNCTIONS OF THE BODY] Simionescu S *Rev Roum Physiol* 10:467-9, 1973 (Fre)

### 2.F.2 TESTIS

LONG-TERM THERAPY WITH LOW-DOSE CISCLOMIPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE. Reyes FI, Faïman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]

### 2.F.3 SEX HORMONES

#### 2.F.3.1 ANDROGENS

REDUCTION OF PLASMA CHOLESTEROL LEVELS IN MALE RETIRED BREEDER RATS BY AN ANABOLIC STEROID, OXANDROLONE. Mills ES, Kriz BM, Jones AL *Proc Soc Exp Biol Med* 144:861-3, Dec 73 (Eng)

LETTER: FIBRINOLYTIC ACTIVITY AND DEEP-VEIN THROMBOSIS. Giles AR *Lancet* 1:803, 27 Apr 74 (Eng)

SEXUAL DYSFUNCTION IN DIABETIC MEN. Kolodny RC, Kahn CB, Goldstein HH, Barnett DM *Diabetes* 23:306-9, Apr 74 (Eng)

LETTER: FIBRINOLYTIC ACTIVITY AND POSTOPERATIVE DEEP-VEIN THROMBO-

SIS. Chakrabarti R *Lancet* 1:868, 4 May 74 (Eng)

[PARTICIPATION OF THE SEX HORMONES IN REALIZING THE REGULATORY INFLUENCE OF HYDROCORTISONE AND INSULIN ON ASPARTATE TRANSAMINASE ACTIVITY IN THE RENAL CORTEX OF MALE AND FEMALE RATS] Poletaeva KA *Vopr Med Khim* 19:358-61, Jul-Aug 73 (Rus)

LONG-TERM THERAPY WITH LOW-DOSE CISCLOMIPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE. Reyes FI, Faïman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]

[LACTATE ACIDOSIS IN A NON-DIABETIC TREATED WITH PHENFORMIN] Eskilsson J *Lakartidningen* 71:786, 27 Feb 74 (Swe)

[VARIOUS RECENT USES OF HORMONES AND THEIR MECHANISM OF ACTION ON THE CELL LEVEL] Barnabei O, Orlandi C *Recent Prog Med (Roma)* 56:47-76, Jan 74 (Ita)

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

#### 2.F.3.2 ESTROGENS

EFFECT OF REPEATED INJECTIONS OF OESTROGEN ON UTERINE GLYCOGEN. Bo WJ, Krueger WA, Garrison BM *J Endocrinol* 59:381-2, Nov 73 (Eng)

PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY. Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS. Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

URINARY AND FECAL EXCRETION AND INCORPORATION OF <sup>14</sup>C-ESTRADIOL IN FAT DEPOTS OF OBESE AND LEAN RATS. Innami S, Yang MG, Mickelsen O *Proc Soc Exp Biol Med* 144:220-4, 1 Oct 73 (Eng)

CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN. Spellacy WN, Buhi WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

LETTER: FIBRINOLYTIC ACTIVITY AND DEEP-VEIN THROMBOSIS. Giles AR *Lancet* 1:803, 27 Apr 74 (Eng)

LETTER: FIBRINOLYTIC ACTIVITY AND POSTOPERATIVE DEEP-VEIN THROMBOSIS. Chakrabarti R *Lancet* 1:868, 4 May 74 (Eng)

LONG-TERM THERAPY WITH LOW-DOSE CISCLOMIPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE. Reyes FI, Faïman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]

THE INTERACTION OF FAMILIAL AND SECONDARY CAUSES OF HYPERTRIGLYCERIDEMIA: ROLE IN PANCREATITIS. Brunzell JD, Schrott HG *Trans Assoc Am Physicians* 86:245-54, 1973 (Eng)

[LACTATE ACIDOSIS IN A NON-DIABETIC TREATED WITH PHENFORMIN] Eskilsson J *Lakartidningen* 71:786, 27 Feb 74 (Swe)

[DIABETES AND PREGNANCY] Riet HG van, Kal J, Haspels AA *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

#### 2.F.3.3 CORPUS LUTEUM AND PROGESTATIONAL HORMONES

##### 2.F.3.3.1 CORPUS LUTEUM HORMONES

##### 2.F.3.3.2 PROGESTATIONAL HORMONES

REGULATION OF STEROIDOGENESIS BY ADRENOCORTICOTROPIC HORMONE IN ISOLATED ADRENAL CELLS OF RATS. Sharma RK *J Biol Chem* 248:5473-6, 10 Aug 73 (Eng)

THE MECHANISM OF ACTION OF ADRENOCORTICOTROPIC HORMONE. THE ROLE OF MITOCHONDRIAL CHOLESTEROL ACCUMULATION IN THE REGULATION OF STEROIDOGENESIS. Mahaffee D, Reitz RC, Ney RL *J Biol Chem* 249:227-33, 10 Jan 74 (Eng)

EFFECTS OF MEDROXYPROGESTERONE ACETATE ON CARBOHYDRATE METABOLISM. Tuttle S, Turkington VE *Obstet Gynecol* 43:685-92, May 74 (Eng)

CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN. Spellacy WN, Buhi WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

[DIABETES AND PREGNANCY] Riet HG van, Kal J, Haspels AA *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

##### 2.F.3.4 CONTRACEPTIVES, ORAL

SERUM TRIIODOTHYRONINE IN HEALTH AND DISEASE. Patel YC, Burger HG *Clin Endocrinol (Oxf)* 2:339-49, Oct 73 (Eng)

CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN. Spellacy WN, Buhi WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

[DIAGNOSTIC PROCEDURE IN AMENORRHEA] Kremling H, Wille G *Med Klin* 69:287-8, 15 Feb 74 (Ger)

METABOLIC EFFECTS OF ORAL CONTRACEPTIVES. Spellacy WN *Clin Obstet Gynecol* 17:53-64, Mar 74 (Eng) [22]

## 2.F.4 GONADAL DISORDERS

[LETHALLY PROCEEDING HEMOCHROMATOSIS IN A YOUNG MAN] Axelsson U, Lannemyr O *Lakartidningen* 71:1138, 20 Mar 74 (Swe)

## 2.G OTHER ENDOCRINES AND RELATED TERMS

**STUDIES OF GLUCOSE INTOLERANCE IN SEPTIC INJURED PATIENTS.** Gump FE, Long C, Killian P, Kinney JM *J Trauma* 14:378-88, May 74 (Eng)

**[DIAGNOSTIC PROCEDURE IN AMENORRHEA]** Kremling H, Wille G *Med Klin* 69:287-8, 15 Feb 74 (Ger)

**CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS.** Sonksen PH *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)

## 2.G OTHER ENDOCRINES AND RELATED TERMS

### 2.G.1 ENDOCRINE GLANDS

**[THE ACTIVATING ROLE OF ACTH IN THE MECHANISM OF EQUILIBRATION OF FUNCTIONS OF THE BODY]** Simionescu S *Rev Roum Physiol* 10:467-9, 1973 (Fre)

**[ENDOCRINE CELLS OF THE HUMAN DUODENAL MUCOSA. ULTRASTRUCTURAL STUDY]** Frexinis J, Balas D, Ribet A *Biol Gastroenterol (Paris)* 6:105-17, Mar 73 (Fre)

### 2.G.2 HORMONES

**NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS.** Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

**THYROID HORMONE ACTION IN CELL CULTURE: DEMONSTRATION OF NUCLEAR RECEPTORS IN INTACT CELLS AND ISOLATED NUCLEI.** Samuels HH, Tsai JS *Proc Natl Acad Sci USA* 70:3488-92, Dec 73 (Eng)

**[THE ACTIVATING ROLE OF ACTH IN THE MECHANISM OF EQUILIBRATION OF FUNCTIONS OF THE BODY]** Simionescu S *Rev Roum Physiol* 10:467-9, 1973 (Fre)

**PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION.** Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

**A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA<sup>+</sup>-K<sup>+</sup> ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE.** Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

**[VARIOUS RECENT USES OF HORMONES AND THEIR MECHANISM OF ACTION ON THE CELL LEVEL]** Barnabei O, Orlandi C *Recent Prog Med (Roma)* 56:47-76, Jan 74 (Ita)

**[CHEMICAL SYNTHESIS AND PROPERTIES OF PEPTIDIC HORMONE ANALOGUES (AUTHORS TRANSL)]** Lutz W, Klyszejko-Stefanowicz L *Postepy Biochem* 20:35-66, 1974 (Pol)

**INTERACTIONS OF PARATHYROID HORMONE AND PLASMA MEMBRANES FROM RAT KIDNEY.** Malbon CG, Zull JE *Biochem Biophys Res Commun* 56:952-8, 27 Feb 74 (Eng)

**HORMONAL REGULATION OF TYROSINE TRANSAMINASE SYNTHESIS IN ISOLATED, RAT LIVER PERFUSED WITH SYNTHETIC MEDIUM.** Otsuka H *J Biochem (Tokyo)* 75:53-8, Jan 74 (Eng)

**PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS.** Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

### 2.G.2.1 GASTROINTESTINAL HORMONES

**[BLOOD INSULIN FOLLOWING INJECTION OF ENTEROHORMONES (PANCREOZYMIN AND SECRETIN) AND ITS CORRELATION WITH THE EXOCRINE SECRETORY FUNCTION OF THE PANCREAS IN VARIOUS AGE GROUPS IN HEALTHY SUBJECTS]** Szadkowski M *Pol Tyg Lek* 29:421-3, 18 Mar 74 (Pol)

**FAMILIAL CHRONIC PANCREATITIS ASSOCIATED WITH PANCREATIC LITHIASIS.** Sato T, Saito Y *Am J Surg* 127:511-7, May 74 (Eng)

**PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS.** Ramachandran J *Life Sci* 14:993-1005, 16 Mar 74 (Eng) [52]

**[ENDOCRINE CELLS OF THE HUMAN DUODENAL MUCOSA. ULTRASTRUCTURAL STUDY]** Frexinis J, Balas D, Ribet A *Biol Gastroenterol (Paris)* 6:105-17, Mar 73 (Fre)

**[GASTROINTESTINAL HORMONES AND LOWER ESOPHAGEAL SPHINCTER]** Siewert R, Waldeck F, Peiper HJ *Chirurg* 45:28-33, Jan 74 (Ger)

**CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID.** Patchefsky AS, Gordon G, Harrer WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

**THE HUMAN PANCREATIC ISLET CELLS AND THEIR TUMORS. II. ULCEROGENIC AND DIARRHOGENIC TUMORS.** Greider MH, Rosai J, McGuigan JE *Cancer* 33:1423-43, May 74 (Eng)

**PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS.** Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

**[THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL)]** Pointner H, Flegel U, Waldhausl W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)

**SURGICAL THERAPY OF CHRONIC PEPTIC ULCER. PREOPERATIVE ASSESSMENT, CHOICE OF OPERATIONS, AND CONSEQUENCES.** Dodsworth JM, Fischer JE *Surg Clin North Am* 54:529-47, Jun 74 (Eng) [124]

**HORMONAL RESPONSES TO INTRAVENOUS AND ORAL GLUCOSE TOLERANCE TESTING IN A PATIENT WITH A GASTRINOMA AND A GASTROJEJUNOSTOMY.** Massaro RP *Gastroenterology* 66:1058-62, May 74 (Eng)

**EFFECT OF SELECTIVE AND PROXIMAL GASTRIC VAGOTOMY ON SERUM GASTRIN.** Jaffe BM, Clendinnen BG, Clarke RJ, Williams JA *Gastroenterology* 66:944-53, May 74 (Eng)

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### 2.G.2.3 HORMONES, ECTOPIC

**[PRINCIPLES OF PHYSIOPATHOLOGY: HYPOGLYCEMIA]** Bonnal J *Rev Med Liege* 29:217-21, 15 Apr 74 (Fre)

**[EXPLORATION OF HYPOGLYCEMIA]** Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)

**[TUMORAL HYPOGLYCEMIA AND ITS TREATMENT]** Debry G *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)

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**CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID.** Patchefsky AS, Gordon G, Harrer WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

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**PROCEEDINGS: INHIBITORY EFFECT OF PROPRANOLOL ON INSULIN SECRETION.** Furman BL, Tayo FM *Br J Pharmacol* 49:145P, Sep 73 (Eng)

**LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY.** Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)

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THE FORMATION OF HL-A ANTIBODIES IN PREGNANCY. THE ANTIGENICITY OF ABORTED AND TERM FETUSES. Burke J, Johansen K *J Obstet Gynaecol Br Commonw* 81:222-8, Mar 74 (Eng)

## ABSORPTION, INTESTINAL

INTESTINAL ABSORPTION OF D-GLUCOSE AND D-GALACTOSE IN RATS INFECTED WITH NEMATOSPIROIDES DUBIUS. Scofield AM *Comp Biochem Physiol [A]* 47:219-31, Jan 74 (Eng)

INFLUENCE OF FLOW RATE ON THE KINETICS OF THE INTESTINAL ABSORPTION OF GLUCOSE AND LYSINE IN CHILDRÉN. Rey F, Drillet F, Schmitz J, Rey J *Gastroenterology* 66:79-85, Jan 74 (Eng)

## ABSORPTIVE FUNCTION

[DISORDER OF THE ABSORPTIVE FUNCTION OF THE SMALL INTESTINE AND OF PARIETAL DIGESTION IN ACUTE DYSENTERY] Iushchuk ND *Sov Med* 36:27-30, May 73 (Rus)

## ACETATE

LIPIDS BIOSYNTHESIS FROM ACETATE IN NORMAL RAT EPIDERMIS. Okido M, Sugihara I, Ono M *Jap J Dermatol [B]* 82:80-3, Sep 72 (Eng)

## ACETOACETATE

THE ROLE OF ACETOACETATE IN THE TRANSFER OF ACETYL UNITS OUTSIDE THE MITOCHONDRIA IN LIVER AND ADIPOSE TISSUE OF RATS OR MICE. Rous S, Favarger P *Febs Lett* 37:231-4, 1 Dec 73 (Eng)

## ACETONEMIA, BOVINE

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## ACETYL COENZYME A

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## ACETYL UNIT TRANSFER

THE ROLE OF ACETOACETATE IN THE TRANSFER OF ACETYL UNITS OUTSIDE THE MITOCHONDRIA IN LIVER AND ADIPOSE TISSUE OF RATS OR MICE. Rous S, Favarger P *Febs Lett* 37:231-4, 1 Dec 73 (Eng)

## ACETYLCHOLINE ESTERASE

EFFECTS OF FOOD DEPRIVATION, DISCRIMINATION EXPERIENCE AND PHYSOSTIGMINE ON CHOLINE ACETYLASE AND ACETYLCHOLINE ESTERASE IN THE DORSAL HIPPOCAMPUS AND FRONTAL CORTEX OF RATS. Izquierdo JA, Baratti CM, Torrelío M, Arevalo L, McGaugh JL *Psychopharmacologia* 33:103-10, 23 Oct 73 (Eng)

## ACHALASIA

[EFFECT OF POLYPEPTIDE HORMONES ON THE LOWER ESOPHAGEAL SPHINCTER IN ACHALASIA] Siewert R, Fruh E, Waldeck F, Schmidt H *Z Gastroenterol* 12:117-20, Mar 74 (Ger)

## ACHILLES TENDON REFLEX

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## ACID BASE BALANCE

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## ACIDOSIS, LACTATE

[LACTATE ACIDOSIS IN A NON-DIABETIC TREATED WITH PHENFORMIN] Eskilsson J *Lakartidningen* 71:786, 27 Feb 74 (Swe)

## ACIDOSIS, LACTIC

[HYPERALANINEMIA-PYRUVICEMIA: CHRONIC LACTIC ACIDOSIS] Tada K *Jap J Clin Med* 31:2456-62, 10 Aug 73 (Jap)

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY IN DIABETES MELLITUS. Simpson JJ, Henley JW, Sharpe DN *Nz Med J* 79:645-8, 13 Feb 74 (Eng)

[LACTIC ACIDOSIS IN DIABETES MELLITUS (REVIEW OF THE LITERATURE)] Limanskaia GF, Cheban AK *Probl Endokrinol (Mosk)* 19:106-9, Jul-Aug 73 (Rus)

## ACIDOSIS, LACTIC ACID

[LACTIC ACID ACIDOSIS AND BIGUANIDES—A REVIEW] Bottiger LE *Lakartidningen* 70:3463-4, 3 Oct 73 (Swe) [14]

[BIGUANIDES AND LACTIC ACID ACIDOSIS] Uvnas B *Lakartidningen* 70:3505, 3 Oct 73 (Swe)

## ACROMEGALIC

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## ACTH

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## ACTIVE TRANSPORT

ENERGY-DEPENDENT ACCUMULATION OF IRON BY ISOLATED RAT LIVER MITOCHONDRIA. II. RELATIONSHIP TO THE ACTIVE TRANSPORT OF CA<sup>2+</sup>. Romslo I, Flatmark T *Biochim Biophys Acta* 325:38-46, 19 Oct 73 (Eng)

## ADENINE NUCLEOTIDE

FACTORS AFFECTING GLYCOGEN LEVELS IN HELA CELLS: PREDNISOLONE AND ADENINE NUCLEOTIDES. Melnykovich G, Bishop CF *J Natl Cancer Inst* 51:353-60, Aug 73 (Eng)

## ADENOMA

NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW. Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

## ADENOSINE TRIPHOSPHATE

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY NAF. Katz S, Tenenhouse A *Br J Pharmacol* 48:505-15, Jul 73 (Eng)

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUABAIN AND MN<sup>00</sup>. Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)

PROCEEDINGS: EFFECTS OF PHENOBARBITONE ON GLUCOSE TRANSPORT AND MEMBRANE ATP-ASE ACTIVITIES OF CEREBRAL CORTEX. Gilbert JC *Br J Pharmacol* 44:338P-339P, Feb 72 (Eng)

INACTIVATION OF HORMONE-SENSITIVE LIPASE FROM ADIPOSE TISSUE WITH ADENOSINE TRIPHOSPHATE, MAGNESIUM, AND ASCORBIC ACID. Tsai SC, Fales HM, Vaughan M *J Biol Chem* 248:5278-81, 10 Aug 73 (Eng)

EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOCIN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brolin S *Biochem Biophys Res Commun* 56:1045-51, 27 Feb 74 (Eng)

## ADENOSINE-3,5-CYCLIC MONOPHOSPHATE

THE EFFECT OF PROSTAGLANDIN E<sub>1</sub> ON NOREPINEPHRINE-INDUCED MEMBRANE DEPOLARIZATION AND CYCLIC AMP ACCUMULATION IN BROWN FAT CELLS. Moskowitz J, Krishna G *Pharmacology* 10:129-35, 1973 (Eng)

SPECIFIC PHOTOAFFINITY LABELING OF THE ADENOSINE 3:5-CYCLIC MONOPHOSPHATE RECEPTOR IN INTACT GHOSTS FROM HUMAN ERYTHROCYTES. Guthrow CE, Rasmussen H, Brunswick DJ, Cooperman BS *Proc Natl Acad Sci USA* 70:3344-6, Dec 73 (Eng)

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY NAF. Katz S,

# ADENOSINE-3,5-CYCLICMONOPHOSPHATE EFFECT

Tenenhouse A *Br J Pharmacol* 48:505-15, Jul 73 (Eng)

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUABAIN AND MN00. Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)

REGULATION OF MALTODEXTRIN PHOSPHORYLASE SYNTHESIS IN ESCHERICHIA COLI BY CYCLIC ADENOSINE 3, 5-MONOPHOSPHATE AND GLUCOSE. Chao J, Weathersbee CJ *J Bacteriol* 117:181-8, Jan 74 (Eng)

ADENOSINE 3,5 CYCLIC MONOPHOSPHATE ASSAY AT 10-15 MOLE LEVEL. Cailla HL, Racine-Weisbuch MS, Delage MA *Anal Biochem* 56:394-407, Dec 73 (Eng)

ADENOSINE CYCLIC 3:5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASE FROM RABBIT ERYTHROCYTES. PURIFICATION AND CHARACTERIZATION OF MULTIPLE FORMS. Tao M, Hackett P *J Biol Chem* 248:5324-32, 10 Aug 73 (Eng)

EFFECTS OF PROSTAGLANDINS ON HEPATIC ADENYLATE CYCLASE ACTIVITY AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE CONTENT. Zenser TV, DeRubertis FR, Curnow RT *Endocrinology* 94:1404-10, May 74 (Eng)

EFFECT OF CHLORPROPAMIDE ON OSMOTIC WATER FLOW ACROSS TOAD BLADDER AND THE RESPONSE TO VASOPRESSIN, THEOPHYLLINE AND CYCLIC AMP. Mendoza SA, Brown CF Jr *J Clin Endocrinol Metab* 38:883-9, May 74 (Eng)

STIMULATION OF ENZYME SYNTHESIS AND INHIBITION OF DNA SYNTHESIS AND GROWTH RATE BY CYCLIC AMP DERIVATIVES IN CULTURED HEPATOMA CELLS. Wicks WD, Wijk R van, McKibbin JB *Adv Enzyme Regul* 11:117-35, 1973 (Eng)

EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM. Omachi RS, Robbie DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)

CHANGES IN ADENOSINE 3,5-MONOPHOSPHATE LEVEL AND PROTEIN KINASE ACTIVITY BY GLUCAGON IN RAT LIVER NUCLEI. Higashino H, Takeda M *J Biochem (Tokyo)* 75:189-91, Jan 74 (Eng)

ADENOSINE-3,5-CYCLICMONOPHOSPHATE EFFECT

EFFECT OF CYCLIC AMP, THEOPHYLLINE AND CAFFEINE ON THE GLUCOSE REPRESSION OF SPORULATION IN SACCCHAROMYCES CEREVISIAE. Tsuboi M, Yanagishima N *Arch Mikrobiol* 93:1-12, 4 Oct 73 (Eng)

EFFECT OF CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ON RIBOSOMAL PROTEIN PHOSPHORYLATION IN RETICULOCYTES. Cawthon ML, Bitte LF, Krystosek A, Kabat D *J Biol Chem* 249:275-8, 10 Jan 74 (Eng)

## ADENYL CYCLASE

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY NAF. Katz S, Tenenhouse A *Br J Pharmacol* 48:505-15, Jul 73 (Eng)

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING

ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUABAIN AND MN00. Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)

## ADENYLATE CYCLASE

THE ACTIVATION OF ADENYLATE CYCLASE. I. A POSTULATED MECHANISM FOR FLUORIDE AND HORMONE ACTIVATION OF ADENYLATE CYCLASE. Najjar VA, Constantopoulos A *Mol Cell Biochem* 2:87-93, 15 Nov 73 (Eng)

PURIFICATION OF ADENOHYPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED ADENYLATE CYCLASE. Poirier G, De Lean A, Pelletier G, Lemay A, Labrie F *J Biol Chem* 249:316-22, 10 Jan 74 (Eng)

INFLUENCE OF LITHIUM IONS ON EPINEPHRINE-STIMULATED ADENYLATE CYCLASE ACTIVITY IN CULTURED GLIAL TUMOR CELLS. Schimmer BP *Biochim Biophys Acta* 327:186-92, 15 Nov 73 (Eng)

PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION. Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

ADENYLATE CYCLASE ACTIVITY IN IMMATURE RABBIT LUNG. Barrett CT, Sevanian A, Kaplan SA *Pediatr Res* 8:244-7, Apr 74 (Eng)

## ADENYLATE CYCLASE, HEPATIC

EFFECTS OF PROSTAGLANDINS ON HEPATIC ADENYLATE CYCLASE ACTIVITY AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE CONTENT. Zenser TV, DeRubertis FR, Curnow RT *Endocrinology* 94:1404-10, May 74 (Eng)

## ADENYLATE KINASE

[PURIFICATION AND PROPERTIES OF ISOENZYMES OF ADENYLATE KINASE] Mebs D *Beitr Gerichl Med* 31:295-6, 1973 (Ger)

## ADIPOSE TISSUE

INACTIVATION OF HORMONE-SENSITIVE LIPASE FROM ADIPOSE TISSUE WITH ADENOSINE TRIPHOSPHATE, MAGNESIUM, AND ASCORBIC ACID. Tsai SC, Fales HM, Vaughan M *J Biol Chem* 248:5278-81, 10 Aug 73 (Eng)

KINETIC ANALYSIS OF PARTIALLY PURIFIED GLUCOSE-6-PHOSPHATE DEHYDROGENASES FROM RAT MUSCLE, ADIPOSE TISSUE AND LIVER, AND FROM BAKERS YEAST. Geisler RW, McClure AM, Hansen RJ *Biochim Biophys Acta* 327:1-10, 15 Nov 73 (Eng)

## ADIPOSE TISSUE LIPOLYSIS

ROLE OF ADIPOSE TISSUE LIPOLYSIS IN POSTNATAL AMELIORATION OF THERMOGENESIS IN DOMESTIC AND WILD PIGLETS. Horn GW, Foley CW, Seerley RW, Munnell JF *J Anim Sci* 37:1356-61, Dec 73 (Eng)

## ADIPOSE TISSUE, MOUSE

THE ROLE OF ACETOACETATE IN THE TRANSFER OF ACETYL UNITS OUTSIDE THE MITOCHONDRIA IN LIVER AND ADIPOSE TISSUE OF RATS OR MICE. Rous S, Favarger P *Feb Lett* 37:231-4, 1 Dec 73 (Eng)

## ADIPOSITAS

[MALABSORPTION CAUSED BY JEJUNOILEOSTOMY AS SURGICAL THERAPY OF EXTREME ADIPOSITAS] Husemann B *Chirurg* 45:13-6, Jan 74 (Ger)

## ADMINISTRATION PERIOD EFFECT

EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

## ADOLESCENT

[LETTER: SITUATION OF THE DIABETIC CHILD AND ADOLESCENT IN WESTERN GERMANY] Hopker W *Dtsch Med Wochenschr* 99:371-2, Feb 74 (Ger)

## ADRENAL

[PHYSIOPATHOLOGICAL AND ANATOMOCINICAL BASES OF SURGERY OF DUODENAL ULCER (CORTICAL, DIENCEPHALIC, HYPOPHYSAL, PANCREATIC, (ADRENAL) AND VAGOGASTRIC PATHOGENIC HYPOTHESIS)] Mandache F, Prodescu V, Constantinescu S, Vasiliu M, Ghergut A *Chirurgia (Bucur)* 23:97-110, Feb 74 (Rum)

## ADRENAL CELL

REGULATION OF STEROIDOGENESIS BY ADRENOCORTICOTROPIC HORMONE IN ISOLATED ADRENAL CELLS OF RATS. Sharma RK *J Biol Chem* 248:5473-6, 10 Aug 73 (Eng)

## ADRENAL SYSTEM

[CHANGES IN THE CARBOHYDRATE AND FAT METABOLIC INDICES, THE STATE OF THE SYMPATHO-ADRENAL SYSTEM AND OXIDATIVE PROCESS UNDER THE EFFECT OF COLD OF DIFFERENT INTENSITIES] Liakh LO *Fiziol Zh* 19:503-10, Jul-Aug 73 (Ukr)

## ADRENALINE

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUABAIN AND MN00. Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)

## ADRENALINE, INTRAPERITONEAL

[DIFFERENCES IN GLYCEMIC CURVES IN ALBINO BN AND BLACK C57BL MICE FOLLOWING INTRAPERITONEAL ADRENALINE ADMINISTRATION] Zbyt-niewski Z, Tarzynska-Kleineder J *Endokrynol Pol* 24:459-65, Nov-Dec 73 (Pol)

## ADRENERGIC AGENT

EFFECTS OF ADRENERGIC AGENTS, THEOPHYLLINE AND OTHER DRUGS ON DEXTRAN EDEMA AND HISTAMINE RELEASE IN RATS. Baxter JH, Beaven MA, Horakova Z *Biochem Pharmacol* 23:1211-7, 1 Apr 74 (Eng)

## BETA-ADRENERGIC BLOCKING AGENT

EFFECTS OF BETA ADRENERGIC BLOCKING AGENTS ON PLASMA RENIN ACTIVITY IN THE CONSCIOUS RABBIT. Weber MA, Thornell IR, Stokes GS *J Pharmacol Exp Ther* 188:234-40, Jan 74 (Eng)

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## AMENORRHEA

### ADRENOCHROME EFFECT

EFFECTS OF ADRENOCHROME AND SODIUM PERBORATE ON ISOLATED FAT CELL METABOLISM. Wieser PB, Fain JN *Biochem Pharmacol* 22:3209-16, 15 Dec 73 (Eng)

### ADRENOCORTICOTROPIC HORMONE

LIPOLYTIC ACTIVITY OF MET-ARG-HIS-PHE-ARG-TRP-GLY, A SYNTHETIC ANALOG OF THE ACTH (4-10) CORE SEQUENCE. Draper MW, Merrifield RB, Rizack MA *J Med Chem* 16:1326-30, Dec 73 (Eng)

REGULATION OF STEROIDOGENESIS BY ADRENOCORTICOTROPIC HORMONE IN ISOLATED ADRENAL CELLS OF RATS. Sharma RK *J Biol Chem* 248:5473-6, 10 Aug 73 (Eng)

[THE ACTIVATING ROLE OF ACTH IN THE MECHANISM OF EQUILIBRATION OF FUNCTIONS OF THE BODY] Simionescu S *Rev Roum Physiol* 10:467-9, 1973 (Fre)

### ADRENOCORTICOTROPIC HORMONE ACTION

THE MECHANISM OF ACTION OF ADRENOCORTICOTROPIC HORMONE. THE ROLE OF MITOCHONDRIAL CHOLESTEROL ACCUMULATION IN THE REGULATION OF STEROIDOGENESIS. Mahaffee D, Reitz RC, Ney RL *J Biol Chem* 249:227-33, 10 Jan 74 (Eng)

### ADRENOCORTICOTROPIN

ELECTRON MICROSCOPIC-IMMUNOCYTOCHEMICAL LOCALIZATION OF ADRENOCORTICOTROPIN AND MELANOCYTE STIMULATING HORMONE IN THE PARS INTERMEDIA CELLS OF RATS AND MICE. Naik DV *Z Zellforsch Mikrosk Anat* 142:305-28, 17 Sep 73 (Eng)

### ADRENOCORTICOTROPIN ECTOPIC SYNDROME

ECTOPIC ADRENOCORTICOTROPIN SYNDROME WITH PROSTATIC CARCINOMA. Newmark SR, Dluhy RG, Bennett AH *Urology* 2:666-8, Dec 73 (Eng)

### ADULT ONSET

ENZYMES OF GLUCOSE METABOLISM IN LIVER OF SUBJECTS WITH ADULT-ONSET DIABETES. Belfiore F, Romeo F, Napoli E, Lo Vecchio L *Diabetes* 23:293-301, Apr 74 (Eng)

### AFLATOXIN

AFLATOXIN INHIBITION OF RAT LIVER MITOCHONDRIA. Doherty WP, Campbell TC *Chem Biol Interact* 7:63-77, Aug 73 (Eng)

### AGE

INFLUENCE OF AGE AND CLIMATOLOGICAL VARIATIONS ON BLOOD GLUCOSE AND ADRENOMEDULLARY CATECHOLAMINES IN THE PIGEON. Lahiri P *Acta Physiol Pol* 24:817-29, Nov-Dec 73 (Eng)

[BLOOD INSULIN FOLLOWING INJECTION OF ENTEROHORMONES (PANCREOZYMIN AND SECRETIN) AND ITS CORRELATION WITH THE EXOCRINE SECRETORY FUNCTION OF THE PANCREAS IN VARIOUS AGE GROUPS IN HEALTHY SUBJECTS] Szadkowski M *Pol Tyg Lek* 29:421-3, 18 Mar 74 (Pol)

[OBESITY IN PUBERTY AND ADULT AGE] Schoffing K *Z Allgemeinmed* 50:159-67, 10 Feb 74 (Ger)

HYPERHYROIDISM IN PATIENTS OVER THE AGE OF 60 YEARS. CLINICAL FEATURES IN 85 PATIENTS. Davis PJ, Davis FB *Medicine (Baltimore)* 53:161-81, May 74 (Eng)

### AGED

SURVIVAL RATES IN SURGERY OF THE AGED. ASSESSMENT OF LONG-TERM PROGNOSIS ACCORDING TO COEXISTING DISEASES. Andersen B, Ostberg J *Gerontol Clin (Basel)* 14:354-60, 1972 (Eng)

### AGGREGATION, INTRAVASCULAR

INTRAVASCULAR AGGREGATION OF BLOOD CELLS AND TISSUE METABOLIC DEFECTS. Gelin LE *Adv Exp Med Biol* 37:647-56, 1973 (Eng)

### ALANINE TURNOVER

ALANINE TURNOVER IN THE HUMAN: DETERMINATION OF THE SPECIFIC ACTIVITY. Gulli R, Searle GI *Proc Soc Exp Biol Med* 144:830-3, Dec 73 (Eng)

### ALBINO MOUSE

[DIFFERENCES IN GLYCEMIC CURVES IN ALBINO BN AND BLACK C57BL MICE FOLLOWING INTRAPERITONEAL ADRENALINE ADMINISTRATION] Zbytniewski Z, Tarzynska-Kleineder J *Endokrynol Pol* 24:459-65, Nov-Dec 73 (Pol)

### ALBUMIN

[GLUCOSE DETERMINATION BY PHOTOMETRIC MICROMETHOD, WITHOUT ALBUMIN] Velosy G, Szabo A *Orv Hetil* 114:3988-9, 23 Dec 73 (Hun)

VARIATIONS IN THE LEVEL OF HUMAN SERUM ALBUMIN DURING GLUCOSE TOLERANCE TEST. Awdch ZL, Islam MR, Samra SA *Biochem Biophys Res Commun* 56:358-62, 23 Jan 74 (Eng)

### ALBUMIN, SERUM

[CHANGES IN THE PEPTIDE MAPS AND OPTICAL ROTATORY DISPERSION OF SERUM ALBUMIN IN TUBERCULOSIS AND ITS COMBINATION WITH DIABETES] Vinokurova KA *Vopr Med Khim* 19:84-6, Jan-Feb 73 (Rus)

### ALCOHOL DEHYDROGENASE EFFECT

EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM. Omachi RS, Robbie DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)

### ALCOHOLIC

ACCIDENTAL HYPOTHERMIA IN AN ALCOHOLIC POPULATION. Weyman AE, Greenbaum DM, Grace WJ *Am J Med* 56:13-21, Jan 74 (Eng)

LETTER: GLUCOSE INTOLERANCE AND PERIPHERAL GLUCOSE UPTAKE IN ACUTELY INTOXICATED ALCOHOLICS. Eriksson CE, Hed R, Lindblad LE, Nygren A, Sundblad L *Lancet* 1:811-2, 27 Apr 74 (Eng)

### ALKALINE PHOSPHATASE

[EFFECT OF THE BRAND OF DIETARY FAT ON RATS LIVER. V. ALKALINE PHOSPHATASE IN SERUM AND THE LIVER] Opuszynska T *Rocz Panstw Zakl Hig* 24:597-603, 1973 (Pol)

ROLE OF INTESTINAL ALKALINE PHOSPHATASE IN FAT TRANSPORT. Lam KC, Mistilis SP *Aust J Exp Biol Med Sci* 51:411-6, Jun 73 (Eng)

### ALLOPURINOL

[HEMODYNAMIC AND BIOCHEMICAL RESULTS FOLLOWING ADMINISTRATION OF ALLOPURINOL IN HEALTHY INDIVIDUALS] Szigoleit W, Taube C, Terhaag B,

Forster W *Z Gesamte Inn Med* 28:465-6, 1 Aug 73 (Ger)

### ALLOSTERIC EFFECTOR

COOPERATIVE INTERACTIONS IN THE BINDING OF ALLOSTERIC EFFECTORS TO PHOSPHOENOLPYRUVATE CARBOXYLASE. Smando R, Waygood EB, Sanwal BD *J Biol Chem* 249:182-90, 10 Jan 74 (Eng)

### ALLOSTERIC REGULATION

[PHOSPHOENOLPYRUVATE CARBOXYLASE: MECHANISM FOR ALLOSTERIC REGULATION BY MULTIPLE EFFECTORS (AUTHORS TRANSL)] Katsuki H, Kzui K, Teraoka H, Yoshinaga T, Morikawa M *J Jap Biochem Soc* 45:781-803, Sep 73 (Jap) [95]

### ALLOXAN DIABETES

[A STUDY OF THE EMBRYOGENESIS OF THE PANCREAS AND THE PROCESS OF FORMATION OF THE INSULAR APPARATUS IN THE FETUSES OF RATS WITH PREDIABETES, LATENT AND MANIFEST ALLOXAN DIABETES] Nikitin AI *Probl Endokrinol (Mosk)* 19:73-8, Jul-Aug 73 (Rus)

[ACTIVITY OF SOME ENZYMES IN THE GINGIVA OF DOGS WITH ALLOXAN DIABETES] Inozhebo B, Anserob EM *Stomatologiya (Sofia)* 55:7-11, Jan-Feb 73 (Bul)

[EXPERIMENTAL ALLOXAN DIABETES IN GOLDEN HAMSTERS] Lazaris IaA, Korchin VI *Patol Fiziol Eksp Ter* 17:72-4, Sep-Oct 73 (Rus)

### ALPHA GLUCOSIDASE

[GLYCOGEN METABOLISM AND ACID ALPHA-GLUCOSIDASE IN ANIMALS (AUTHORS TRANSL)] Fujimori K *Protein Nucleic Acid Enzyme (Tokyo)* 18:1018-34, Nov 73 (Jap) [162]

### D-ALPHA GLUCOSYLASE

NEW STUDIES ON AMYLOSUCRASE, A BACTERIAL ALPHA-D-GLUCOSYLASE THAT DIRECTLY CONVERTS SUCROSE TO A GLYCOGEN-LIKE ALPHA-GLUCAN. Okada G, Hehre EJ *J Biol Chem* 249:126-35, 10 Jan 74 (Eng)

### ALPHA2-MACROGLOBULIN

[ALPHA2-MACROGLOBULIN CONCENTRATION IN THE SERUM IN CHRONIC PANCREATITIS, LIVER CIRRHOSIS AND DIABETES MELLITUS] Geller LI, Kazimirchik AP, Kozlova ZP *Vopr Med Khim* 19:96-9, Jan-Feb 73 (Rus)

### ALPHA-GLUCAN

NEW STUDIES ON AMYLOSUCRASE, A BACTERIAL ALPHA-D-GLUCOSYLASE THAT DIRECTLY CONVERTS SUCROSE TO A GLYCOGEN-LIKE ALPHA-GLUCAN. Okada G, Hehre EJ *J Biol Chem* 249:126-35, 10 Jan 74 (Eng)

### ALPHA-OXA CARBOXYLIC ACID

REDUCTION OF ALPHA-OXA CARBOXYLIC ACIDS BY PIGEON LIVER MALIC ENZYME. Tang CL, Hsu RY *Biochem J* 135:287-91, Oct 73 (Eng)

### ALVEOLAR BONE

[EXAMINATION OF ALVEOLAR BONE IN DIABETICS] Koray F *Istanbul Univ Dishekim Fak Derg* 7:287-326, Sep 73 (Tur)

### AMENORRHEA

[DIAGNOSTIC PROCEDURE IN AMENORRHEA] Kremling H, Wille G *Med Klin* 69:287-8, 15 Feb 74 (Ger)

## AMINCO ROTOCEM

### AMINCO ROTOCEM

DETERMINATION OF GLUCOSE WITH A RESEARCH MODEL AMINCO ROTOCEM BY THE HEXOKINASE REACTION. Hasson W, Penton JR, Widdowson GM *Clin Chem* 20:15-8, 1974 (Eng)

### AMINO ACID

RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP. Bergman EN, Kaufman CF, Wolff JE, Williams HH *Am J Physiol* 226:833-7, Apr 74 (Eng)

### AMINOTRANSFERASE

ELEVATION OF HEPATIC PHENYLALANINE: PYRUVATE AMINOTRANSFERASE BY DIBUTYRYL CYCLIC AMP IN RATS. Fuller RW, Baker JC, Snoddy HD *Biochem Med* 9:301-8, Mar 74 (Eng)

### AMMONIA

EFFECTS OF MODIFYING UREA HYDROLYSIS IN ACUTE NEPHRECTOMY ON SURVIVAL, AMMONIA IN CECAL CONTENTS AND BLOOD METABOLITES. Prior RL, Visek WJ *Proc Soc Exp Biol Med* 144:184-8, 1 Oct 73 (Eng)

RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP. Bergman EN, Kaufman CF, Wolff JE, Williams HH *Am J Physiol* 226:833-7, Apr 74 (Eng)

### AMNIOTIC FLUID

ESTIMATING LECITHIN-SPHINGOMYELIN AREA RATIO IN AMNIOTIC FLUID. A MODIFIED METHOD FOR THE PREDICTION OF NEONATAL RESPIRATORY DISTRESS. Richardson DG *S Afr Med J* 48:690-4, 6 Apr 74 (Eng)

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### AMYLOSUCRASE

NEW STUDIES ON AMYLOSUCRASE. A BACTERIAL ALPHA-D-GLUCOSYLASE THAT DIRECTLY CONVERTS SUCROSE TO A GLYCOGEN-LIKE ALPHA-GLUCAN. Okada G, Hehre EJ *J Biol Chem* 249:126-35, 10 Jan 74 (Eng)

### ANABOLIC STEROID

REDUCTION OF PLASMA CHOLESTEROL LEVELS IN MALE RETIRED BREEDER RATS BY AN ANABOLIC STEROID, OXANDROLONE. Mills ES, Kriz BM, Jones AL *Proc Soc Exp Biol Med* 144:861-3, Dec 73 (Eng)

### ANALYSIS

X-RAY ANALYSIS OF CONTROL ENZYMES. Johnson LN *Symp Soc Exp Biol* 27:5-20, 1973 (Eng) [31]

[PYRIDOXINE PARA-CHLORO-PHENOXY-ISOBUTYRATE. ANALYSIS OF HYPOLIPIDEMIC EFFECTS] Mirouze J, Orsetti A, Cartry E *Nouv Presse Med* 2:3115-6, Dec 73 (Fre)

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP *Diabetes* 23:302-5, Apr 74 (Eng)

### ANALYSIS, QUALITATIVE

DISCUSSION PAPER: THE QUALITATIVE ANALYSIS OF PARTIALLY SPECIFIED

SYSTEMS. Levins R *Ann NY Acad Sci* 231:123-38, 1974 (Eng)

### ANALYZER

DESIGN AND OPERATION OF A SIGNAL COMPARATOR TO INCREASE EFFICIENCY OF CONTINUOUS-FLOW ANALYZERS. Neeley WE, Wardlaw S, Swinnen ME *Clin Chem* 20:78-80, 1974 (Eng)

### ANESTHESIA, LOCAL

[BETADRENOL INFLUENCE ON CARDIOVASCULAR AND METABOLIC BEHAVIOR IN ORAL SURGERY WITH LOCAL ANESTHESIA] Tetsch P, Brisse B, Eismann U *Dtsch Zahnärztl Z* 28:1011-5, Oct 73 (Ger)

### ANESTHETIC, GENERAL

ENFLURANE (ETHRANE) AND ISOFLURANE (FORANE): A COMPARISON WITH NINE GENERAL ANAESTHETICS DURING STRESS OF HYPOXIA (SPONTANEOUS BREATHING). Dobkin AB, Byles PH, Levy AA *Can Anaesth Soc J* 20:782-97, Nov 73 (Eng)

### ANGINA PECTORIS

MYOCARDIAL INFARCTION AFTER EXERCISE-INDUCED ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH VARIANT ANGINA PECTORIS. Sweet RL, Sheffield LT *Am J Cardiol* 33:813-7, 20 May 74 (Eng)

### ANION EFFECT

PROPERTIES AND MECHANISM OF ACTION OF CREATINE KINASE FROM OX SMOOTH MUSCLE. ANION EFFECTS COMPARED WITH PYRUVATE KINASE. Focant B, Watts DC *Biochem J* 135:265-76, Oct 73 (Eng)

### ANION TRANSPORT

THE ROLE OF MITOCHONDRIAL TRICARBOXYLATE ANION TRANSPORT IN METABOLISM. Robinson BH *Symp Soc Exp Biol* 27:195-214, 1973 (Eng) [32]

### ANNULATE LAMELLA

ANNULATE LAMELLAE IN HEPATIC AND PANCREATIC BETA CELLS OF THE CHICK EMBRYO. I. Benzo CA *Am J Anat* 140:139-43, May 74 (Eng)

### ANTELOPE

DIABETES MELLITUS WITH PANCREATIC ATROPHY IN ANTELOPES IN THE AMSTERDAM ZOO. Gaag I van der, Borst GH, Vroege C *Zentralbl Veterinaarmed [A]* 20:843-54, Dec 73 (Eng)

### ANTERIOR PITUITARY

PROCEEDINGS: L-DOPA AS A TEST OF ANTERIOR PITUITARY FUNCTION. Millar JG, Kurtz A, Aminoff MJ, Wilcox CS, Nabarro JD *J Endocrinol* 59:XXV-XXVI, Nov 73 (Eng)

### ANTERIOR PITUITARY HORMONE

[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE] Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

### ANTIARRHYTHMIC ACTIVITY

ANTIARRHYTHMIC AND GENERAL CARDIOVASCULAR ACTIVITY OF THE N,N-DIMETHYLQUATERNARY AMMONIUM DERIVATIVE OF BUNOLOL. Kaplan HR, Barker JW, Dugan D, Fox J, Giardino E *Arch Int Pharmacodyn Ther* 207:28-43, Jan 74 (Eng)

### ANTIBIOTIC

INHIBITION OF FATTY ACID SYNTHESIS BY THE ANTIBIOTIC CERULENIN. SPECIFIC INACTIVATION OF BETA-KETOACYL-ACYL CARRIER PROTEIN SYNTHETASE. D'Agno G, Rosenfeld IS, Awaya J, Omura S, Vagelos PR *Biochim Biophys Acta* 326:155-6, 29 Nov 73 (Eng)

[TOXICITY AND PHARMACOLOGICAL PROPERTIES OF ANTINEOPLASTIC ANTIBIOTIC 1719 FROM THE CLASS OF DIAZO COMPOUNDS] Gol'dberg LE, Stepanova ES, Filippos'iants ST *Antibiotiki* 18:332-8, Apr 73 (Rus)

### ANTIBODY

THE FORMATION OF HL-A ANTIBODIES IN PREGNANCY. THE ANTIGENICITY OF ABORTED AND TERM FETUSES. Burke J, Johansen K *J Obstet Gynaecol Br Commonw* 81:222-8, Mar 74 (Eng)

### ANTIBODY FORMATION

[EFFECT OF GROWTH HORMONE (STH) ON THE DYNAMICS OF ANTIBODY FORMATION IN ANIMALS IMMUNIZED WITH RS VIRUS] Wilczynski J, Sadowski W *Med Dosw Mikrobiol* 25:327-33, 1973 (Pol)

### ANTIDIABETIC EFFECT

[EFFECTS OF ANTIDIABETIC BIGUANIDES ON VARIOUS TYPES OF LIPID MOBILIZATION IN THE RABBIT] Marquie G, Agid R *J Physiol (Paris)* 66:345-56, Sep 73 (Fre)

### ANTIGENICITY

THE FORMATION OF HL-A ANTIBODIES IN PREGNANCY. THE ANTIGENICITY OF ABORTED AND TERM FETUSES. Burke J, Johansen K *J Obstet Gynaecol Br Commonw* 81:222-8, Mar 74 (Eng)

### ANTINEOPLASTIC ANTIBIOTIC

[TOXICITY AND PHARMACOLOGICAL PROPERTIES OF ANTINEOPLASTIC ANTIBIOTIC 1719 FROM THE CLASS OF DIAZO COMPOUNDS] Gol'dberg LE, Stepanova ES, Filippos'iants ST *Antibiotiki* 18:332-8, Apr 73 (Rus)

### AORTA

[OXYGEN AND GLUCOSE CONSUMPTION BY AORTIC TISSUE DURING DIETARY ADMINISTRATION OF CHOLESTEROL AND NERVOUS SYSTEM STRESS] Khomulo PS, Mytareva LV, Zakirichnaia GA *Kardiologia* 13:116-20, Jan 73 (Rus)

### APPLICATION, CLINICAL

CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS. Sonksen PH *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)

### ARGININE

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

EFFECT OF CLOFIBRATE ON ARGININE-STIMULATED GLUCAGON AND INSULIN SECRETION IN MAN. Eaton RP, Schade DS *Metabolism* 23:445-54, May 74 (Eng)

# ARGININE INFUSION

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppinger K *J Pediatr* 84:821-4, Jun 74 (Eng)

# ARSENOLYSIS

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. EFFECT OF NICOTINAMIDE ADENINE DINUCLEOTIDE AND RELATED COMPOUNDS ON THE ENZYME-CATALYZED ARSENOLYSIS OF 1,3-DIPHOSPHOGLYCERIC ACID. Duggleby RG, Dennis DT *J Biol Chem* 249:175-81, 10 Jan 74 (Eng)

# ARTERIAL DISEASE

THE THYROID AND ATHEROSCLEROTIC ARTERIAL DISEASE. Menof P *S Afr Med J* 47:2315-25, 8 Dec 73 (Eng)

# ARTERIAL TISSUE

EFFECTS OF INCREASING GLUCOSE CONCENTRATIONS ON THE GLUCOSE METABOLISM IN ARTERIAL TISSUE AND INTESTINAL SMOOTH MUSCLE. Arqvist HJ *Acta Physiol Scand* 88:481-90, Aug 73 (Eng)

# ARTERIOSCLEROSIS

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# ARTERY METABOLISM

THE METABOLISM OF LARGE ARTERIES AS RELATED TO THE ONSET OF ATHEROSCLEROTIC LESIONS. Velican C *Rev Roum Med Intern* 10:373-85, 1973 (Eng)

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POSSIBLE REGULATORY INTERACTIONS BETWEEN COMPARTMENTALIZED GLYCOLYTIC SYSTEMS DURING INITIATION OF GLYCOLYSIS IN ASCITES TUMOR CELLS. Coe EL, Greenhouse WV *Biochim Biophys Acta* 329:171-82, 5 Dec 73 (Eng)

THE EFFECT OF POTASSIUM DEPLETION ON THE INITIAL KINETICS OF GLYCOLYSIS IN ASCITES TUMOR CELLS. Greenhouse WV, Coe EL *Biochim Biophys Acta* 329:183-95, 5 Dec 73 (Eng)

# ASCORBIC ACID

INACTIVATION OF HORMONE-SENSITIVE LIPASE FROM ADIPOSE TISSUE WITH ADENOSINE TRIPHOSPHATE, MAGNESIUM, AND ASCORBIC ACID. Tsai SC, Fales HM, Vaughan M *J Biol Chem* 248:5278-81, 10 Aug 73 (Eng)

# ASPARTATE TRANSAMINASE

[PARTICIPATION OF THE SEX HORMONES IN REALIZING THE REGULATORY INFLUENCE OF HYDROCORTISONE AND INSULIN ON ASPARTATE TRANSAMINASE ACTIVITY IN THE RENAL CORTEX OF MALE AND FEMALE RATS] Poletaeva KA *Vopr Med Khim* 19:358-61, Jul-Aug 73 (Rus)

# ASPERGILLUS ORYZAE

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# ATHEROSCLEROSIS

THE THYROID AND ATHEROSCLEROTIC ARTERIAL DISEASE. Menof P *S Afr Med J* 47:2315-25, 8 Dec 73 (Eng)

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ATHEROSCLEROSIS: A PEDIATRIC PROBLEM Blumenthal S, Jesse MJ *Cardiovasc Clin* 4:11-6, 1972 (Eng) [19]

FIBRINOAGULOPATHY IN MATURITY ONSET DIABETES MELLITUS AND ATHEROSCLEROSIS. Banerjee RN, Sahni AL, Kumar V *Thromb Diath Haemorrh* 30:123-32, 15 Sep 73 (Eng)

# ATHEROSCLEROSIS, OBLITERATING

[DISTRIBUTION OF OBLITERATING ATHEROSCLEROSIS OF THE ARTERIES OF THE LOWER EXTREMITIES AND ITS RELATIONSHIP TO ISCHEMIC HEART DISEASE] Dokuchaeva EA *Kardiologiya* 14:131-6, Feb 74 (Rus)

# ATHEROSCLEROTIC LESION

THE METABOLISM OF LARGE ARTERIES AS RELATED TO THE ONSET OF ATHEROSCLEROTIC LESIONS. Velican C *Rev Roum Med Intern* 10:373-85, 1973 (Eng)

# ATHEROSCLEROTIC LESION, RABBIT

LIPID COMPOSITION AND METABOLIC ACTIVITY OF SUBCELLULAR FRACTIONS ISOLATED FROM RABBIT ATHEROSCLEROTIC LESIONS. Proudlock JW, Day AJ, Naughton JM *Exp Mol Pathol* 19:389-401, Dec 73 (Eng)

# ATPASE

EFFECTS OF RUTHENIUM RED ON CA20 UPTAKE AND ATPASE OF SARCOPLASMIC RETICULUM OF RABBIT SKELETAL MUSCLE. Vale MG, Carvalho AP *Biochim Biophys Acta* 325:29-37, 19 Oct 73 (Eng)

UNSATURATED FATTY ACIDS AS REACTIVATORS OF THE CALCIUM-DEPENDENT ATPASE OF DELIPIDATED SARCOPLASMIC MEMBRANES. The R, Hasselbach W *Eur J Biochem* 39:63-8, 1 Nov 73 (Eng)

A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA0-K0 ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

# ATROPHY, PANCREATIC

DIABETES MELLITUS WITH PANCREATIC ATROPHY IN ANTELOPES IN THE AMSTERDAM ZOO. Gaag I van der, Borst GH, Vroeghe C *Zentralbl Veterinärmed [A]* 20:843-54, Dec 73 (Eng)

# AUTOANALYZER

LETTER: IMPROVED TECHNIQUE FOR SERUM GLUCOSE ASSAY ON AUTOANALYZER. Lott JA, Mercier JE, Durham BW *Clin Chem* 20:94-5, 1974 (Eng)

# AUTONOMIC INNERVATION

THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF. Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

# BACILLUS STEAROTHERMOPHILUS

ISOLATION AND CHARACTERIZATION OF A THERMOPHILIC GLUCOKINASE FROM BACILLUS STEAROTHERMOPHILUS. Hengartner H, Zuber H *Febs Lett* 37:212-6, 1 Dec 73 (Eng)

# BACTERIA

[THREE CLASSES OF TRANSPORT SYSTEMS IN BACTERIA] Kepes A *Biochimie* 55:693-702, 1973 (Fre) [31]

# BAKERS YEAST

KINETIC ANALYSIS OF PARTIALLY PURIFIED GLUCOSE-6-PHOSPHATE DEHYDROGENASES FROM RAT MUSCLE, ADIPOSE TISSUE AND LIVER, AND FROM BAKERS YEAST. Geisler RW, McClure AM, Hansen RJ *Biochim Biophys Acta* 327:1-10, 15 Nov 73 (Eng)

# BEAGLE

OCHRATOXICOSIS IN BEAGLE DOGS. I. CLINICAL AND CLINICOPATHOLOGICAL FEATURES. Szczech GM, Carlton WW, Tuite J *Vet Pathol* 10:135-54, 1973 (Eng)

# BETA CAROTENE METABOLISM

BETA CAROTENE METABOLISM IN DIABETES. Ramachandran K *Indian J Med Res* 61:1831-4, Dec 73 (Eng)

# BETA CELL

VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCARDITIS VIRUS. Hayashi K, Boucher DW, Notkins AL *Am J Pathol* 75:91-102, Apr 74 (Eng)

# BETA CELL, MOUSE

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# BETA CELL, PANCREATIC

THE PRESENCE OF A FACTOR TOXIC TO PANCREATIC BETA CELLS IN SOME COLLAGENASE PREPARATIONS. Moskalowski S, Sochanska KR, Wiwatowski T *Bull Acad Pol Sci [Biol]* 22:127-30, 1974 (Eng)

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# BETA RECEPTOR, ADRENERGIC

ADRENERGIC BETA-RECEPTOR BLOCKADE AND METABOLIC RESPONSE TO CENTRIFUGATION STRESS. Harrison MH *J Appl Physiol* 35:793-7, Dec 73 (Eng)

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[LACTIC ACID ACIDOSIS AND BIGUANIDES—A REVIEW] Bottiger LE *Lakartidningen* 70:3463-4, 3 Oct 73 (Swe) [14]

[BIGUANIDES AND LACTIC ACID ACIDOSIS] Uvnas B *Lakartidningen* 70:3505, 3 Oct 73 (Swe)

## BILLROTH II RESECTION

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## BIOCHEMICAL STUDY

ULTRASTRUCTURAL STUDY OF CONJUNCTIVAL CAPILLARIES AND BIOCHEMICAL STUDY OF CONJUNCTIVA IN THE COURSE OF HUMAN AND ANIMAL DIABETES. Regnault F, Kern P *Bibl Anat* 11:459-67, 1973 (Eng)

## BIOMICROSCOPY

AN EVALUATION OF CLINICAL BIOMICROSCOPY OF THE SMALL BLOOD VESSELS. Davis E *Bibl Anat* 11:233-8, 1973 (Eng)

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[DIFFERENCES IN GLYCEMIC CURVES IN ALBINO BN AND BLACK C57BL MICE FOLLOWING INTRAPERITONEAL ADRENALINE ADMINISTRATION] Zbytniewski Z, Tarzynska-Kleineder J *Endokrynol Pol* 24:459-65, Nov-Dec 73 (Pol)

## BLADDER, DIABETIC

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## BLADDER, TOAD

EFFECT OF CHLORPROPAMIDE ON OSMOTIC WATER FLOW ACROSS TOAD BLADDER AND THE RESPONSE TO VASOPRESSIN, THEOPHYLLINE AND CYCLIC AMP. Mendoza SA, Brown CF Jr *J Clin Endocrinol Metab* 38:883-9, May 74 (Eng)

EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM. Omachi RS, Robbie DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)

## BLOCKADE EFFECT

THE EFFECT OF ADRENERGIC BLOCKADE ON EXERCISE-INDUCED HYPERGLUCAGONEMIA. Harvey WD, Faloona GR, Unger RH *Endocrinology* 94:1254-8, May 74 (Eng)

## BLOOD

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guscinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

## BLOOD CELL

INTRAVASCULAR AGGREGATION OF BLOOD CELLS AND TISSUE METABOLIC DEFECTS. Gelin LE *Adv Exp Med Biol* 37:547-56, 1973 (Eng)

## BLOOD CIRCULATION DISORDER

[CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE] Stolp W, Hurnemann B, Mund-Hoym S, Hansmann M *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)

## BLOOD COAGULATION

[TRACE ELEMENTS AND BLOOD COAGULATION IN DIABETIC GANGRENE] Kuleshov EV, Kuleshova Iu *Klin Med (Mosk)* 51:115-21, Nov 73 (Rus)

## BLOOD DETERMINATION

[A MICROMETHOD FOR THE DETERMINATION OF LACTATE, PYRUVATE AND GLUCOSE FROM 0.1 ML OF BLOOD] Pannier R, Klimt F *Z Med Labortech* 14:285-94, 1973 (Ger)

## BLOOD, DUCK

IN VITRO INHIBITION OF LIPOLYSIS BY PYRIMETHAMINE IN BLOOD FROM DUCKS PARASITIZED WITH PLASMODIUM LOPHURAE. Hart LT, Dimopoulos GT, Mandhare KS *Avian Dis* 17:752-7, Oct-Dec 73 (Eng)

## BLOOD FLOW

THE INFLUENCE OF BLOOD FLOW ON THE ABSORPTION OF 3-O-METHYLGLUCOSE FROM THE JEJUNUM OF THE RAT. Lichtenstein B, Winne D *Naunyn Schmiedeberg Arch Pharmacol* 279:153-72, 14 Sep 73 (Eng)

PROCEEDINGS: THE INFLUENCE OF GLUCAGON ON REGIONAL BLOOD FLOW IN THE RHESUS MONKEY. Branch RA, Nies AS, Shand DG *Br J Pharmacol* 49:149P, Sep 73 (Eng)

## BLOOD METABOLITE

TISSUE-SPECIFIC DIRECTION OF BLOOD METABOLITES. Williamson DH *Symp Soc Exp Biol* 27:283-98, 1973 (Eng) [31]

EFFECTS OF MODIFYING UREA HYDROLYSIS IN ACUTE NEPHRECTOMY ON SURVIVAL, AMMONIA IN CECAL CONTENTS AND BLOOD METABOLITES. Prior RL, Visek WJ *Proc Soc Exp Biol Med* 144:184-8, 1 Oct 73 (Eng)

## BLOOD VESSEL

AN EVALUATION OF CLINICAL BIOMICROSCOPY OF THE SMALL BLOOD VESSELS. Davis E *Bibl Anat* 11:233-8, 1973 (Eng)

THE EFFECTS OF XANTHINOL NICOTINATE ON THE SMALL BLOOD VESSELS. Davis E, Rozov H *Bibl Anat* 11:334-9, 1973 (Eng)

THE SMALL BLOOD VESSELS IN CHEMICAL DIABETES. Davis E, Herman JB *Bibl Anat* 11:468-72, 1973 (Eng)

## BODY

[THE ACTIVATING ROLE OF ACTH IN THE MECHANISM OF EQUILIBRATION OF FUNCTIONS OF THE BODY] Simionescu S *Rev Roum Physiol* 10:467-9, 1973 (Fre)

## BODY WEIGHT

HOMEOSTASIS OF BODY WEIGHT IN A DIABETES CLINIC POPULATION. Goodner CJ, Ogilvie JT *Diabetes* 23:318-26, Apr 74 (Eng)

## BONE

EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

EFFECT OF THYROXINE AND GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 74:24-40, Sep 73 (Eng)

## BONE AGE

RESPONSIVENESS OF HUMAN SUBJECTS TO HUMAN GROWTH HORMONE: RELATION TO BONE AGE. Rudman D, Patterson JH, Gibbas DL, Richardson TJ, Awrich AI, Anthony AE, Bixler TJ 2d, Giansanti JS *J Clin Endocrinol Metab* 38:848-55, May 74 (Eng)

## BRAIN, RAT

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN: MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY NAF. Katz S, Tenenhouse A *Br J Pharmacol* 48:505-15, Jul 73 (Eng)

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN: MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUABAIN AND MN00. Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)

## BRAIN TISSUE

[NUCLEIC ACID CONTENT IN THE BRAIN TISSUE OF RATS AFTER THE ADMINISTRATION OF DIFFERENT DOSES OF INSULIN] Sharkov BM, Filippov SP *Biol Nauki* 2:44-6, 1974 (Rus)

## BREEDER RAT

REDUCTION OF PLASMA CHOLESTEROL LEVELS IN MALE RETIRED BREEDER RATS BY AN ANABOLIC STEROID, OXANDROLONE. Mills ES, Kriz BM, Jones AL *Proc Soc Exp Biol Med* 144:861-3, Dec 73 (Eng)

## BRITTLE DIABETES

BRITTLE DIABETES. Oleesky S, Shreeve DR, Sutcliffe CH *Q J Med* 43:113-25, Jan 74 (Eng)

## BROMELAIN

ON THE SPECIFICITY AND PH DEPENDENCE OF FICIN-CATALYZED HYDROLYSES. SOME COMPARISONS WITH BROMELAIN SPECIFICITY. Kortt AA, Hinds JA, Zerner B *Biochemistry* 13:2029-37, 7 May 74 (Eng)

## BRONCHIAL CARCINOID

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## Diabetes Literature—Keyword Index

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### BULLOSIS, DIABETIC

**[VARIOUS ASPECTS OF DIABETIC BULLOSIS]** Kertl H, Kresbach H *Hautarzt* 25:50-5, Feb 74 (Ger)

### BUTYRYLCHOLINESTERASE

**SUBRETINAL FLUID BUTYRYLCHOLINESTERASE. 2. REOPERATED RHEGMATOTENON DETACHMENTS AND DIABETIC TRACTION DETACHMENTS.** Kaufman PL, Podos SM *Am J Ophthalmol* 77:19-24, Jan 74 (Eng)

### CAFFEINE EFFECT

**EFFECT OF CYCLIC AMP, THEOPHYLLINE AND CAFFEINE ON THE GLUCOSE REPRESSION OF SPOREULATION IN SACCHAROMYCES CEREVISIAE.** Tsubo M, Yanagishima N *Arch Mikrobiol* 93:1-12, 4 Oct 73 (Eng)

### CALCIUM

**PROCEEDINGS: MAST CELL SECRETION (HISTAMINE RELEASE) INDUCED BY 48-80: CALCIUM-DEPENDENT EXOCYTOSIS INHIBITED STRONGLY BY CYTOCHALASIN ONLY WHEN GLYCOLYSIS IS RATE-LIMITING.** Douglas WW, Ueda Y *J Physiol (Lond)* 234:97P-98P, Oct 73 (Eng)

**UNSATURATED FATTY ACIDS AS REACTIVATORS OF THE CALCIUM-DEPENDENT ATPASE OF DELIPIDATED SARCOPLASMIC MEMBRANES.** The R, Hasselbach W *Eur J Biochem* 39:63-8, 1 Nov 73 (Eng)

**THE SIGNIFICANCE OF CALCIUM IN INSULIN SECRETION. ULTRASTRUCTURAL STUDIES ON IDENTIFICATION AND LOCALIZATION OF CALCIUM IN ACTIVATED AND INACTIVATED B CELLS OF MICE.** Schafer HJ, Klöppel G *Virchows Arch [Pathol Anat]* 362:231-45, 1974 (Eng)

### CALCIUM DEPENDENCY

**CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS.** Gerich JE, Frankel BJ, Fanksa R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

### CALCIUM ION

**EFFECTS OF RUTHENIUM RED ON CA20 UPTAKE AND ATPASE OF SARCOPLASMIC RETICULUM OF RABBIT SKELETAL MUSCLE.** Vale MG, Carvalho AP *Biochim Biophys Acta* 325:29-37, 19 Oct 73 (Eng)

**ENERGY-DEPENDENT ACCUMULATION OF IRON BY ISOLATED RAT LIVER MITOCHONDRIA. II. RELATIONSHIP TO THE ACTIVE TRANSPORT OF CA20.** Romslo I, Flatmark T *Biochim Biophys Acta* 325:38-46, 19 Oct 73 (Eng)

### CALCIUM PYROPHOSPHATE DIHYDRATE

**DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION.** McCarthy DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)

### CALF

**GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS.** Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL *J Anim Sci* 37:1419-27, Dec 73 (Eng)

**THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF.** Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

### CALORIC

**ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY.** Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

### CAMP

**SEE ADENOSINE-3,5-CYCLOC-MONOPHOSPHATE**

### CAMPTOTHECIN EFFECT

**THE ROLE OF MESSENGER RNA IN TYROSINE AMINOTRANSFERASE SUPERINDUCTION: EFFECTS OF CAMPTOTHECIN ON HEPATOMA CELLS IN CULTURE.** Bushnell DE, Becker JE, Potter VR *Biochem Biophys Res Commun* 56:815-21, 4 Feb 74 (Eng)

### CANCER

**EVALUATION OF CANCER RISK FACTORS IN A RETIREMENT COMMUNITY.** Henderson BE, Bogdanoff E, Gerkins VR, SooHoo J, Arthur M *Cancer Res* 34:1045-8, May 74 (Eng)

### CAPILLARY

**CAPILLARY RADIUS AND WALL THICKNESS IN NORMAL AND DIABETIC RAT RETINAE.** Sosula L *Microvasc Res* 7:274-6, Mar 74 (Eng)

**ULTRASTRUCTURAL STUDY OF CONJUNCTIVAL CAPILLARIES AND BIOCHEMICAL STUDY OF CONJUNCTIVA IN THE COURSE OF HUMAN AND ANIMAL DIABETES.** Regnault F, Kern P *Bibl Anat* 11:459-67, 1973 (Eng)

### CARBOHYDRATE

**REGULATION OF MAMMALIAN FATTY-ACID SYNTHETASE. THE ROLES OF CARBOHYDRATE AND INSULIN.** Volpe JJ, Vagelos PR *Proc Natl Acad Sci USA* 71:889-93, Mar 74 (Eng)

### CARBOHYDRATE, ALIMENTARY

**[UTILIZATION OF ALIMENTARY CARBOHYDRATES IN THE FATTENING CALF. 2. LACTOSE, SACCHAROSE, FRUCTOSE]** Gropp J *Z Tierphysiol* 32:144-63, Nov 73 (Ger)

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### CARBOHYDRATE METABOLISM

**A STUDY OF SOME ENZYMES AND ISOENZYMES OF CARBOHYDRATE METABOLISM IN HUMAN ENDOMETRIUM DURING THE MENSTRUAL CYCLE.** Spellman CM, Fottrell PF, Baynes S, O'Dwyer EM, Clinch JD *Clin Chim Acta* 48:259-68, 30 Oct 73 (Eng)

**EFFECT OF THYROID HORMONES AND DIETARY FAT ON THE INTERRELATION OF LIPID AND CARBOHYDRATE METABOLISM IN RATS.** Felt V *Endocrinol Exp (Bratisl)* 7:283-91, 1973 (Eng)

**[INTERPRETATION OF THE RESULTS OF HISTOCHEMICAL STUDY OF CARBOHYDRATE METABOLISM IN THE THYROID GLAND]** Tkachev AV, Vazilo VE,

## CARCINOMA, PANCREATIC

Zaichik VE *Probl Endokrinol (Mosk)* 19:104-6, Nov-Dec 73 (Rus)

**CARBOHYDRATE METABOLISM IN LACTIC STREPTOCOCCI: FATE OF GALACTOSE SUPPLIED IN FREE OR DISACCHARIDE FORM.** Lee R, Moleskness T, Sandine WE, El-liker PR *Appl Microbiol* 26:951-8, Dec 73 (Eng)

**EFFECTS OF MEDROXYPROGESTERONE ACETATE ON CARBOHYDRATE METABOLISM.** Tuttle S, Turkington VE *Obstet Gynecol* 43:685-92, May 74 (Eng)

**[STUDIES ON THE EFFECT OF SULFAMETHOXYPIRAZINE (LONGUM) ON CARBOHYDRATE METABOLISM IN DIABETIC PATIENTS]** Stotter G, Riederle K *Fortschr Med* 92:442-4, 11 Apr 74 (Ger)

**[INVESTIGATIONS CONCERNING THE INCIDENCE OF DISORDERS OF LIPID AND CARBOHYDRATE METABOLISM IN PRIMARY GOUT AND SYMPTOMLESS HYPERURICAEMIA (AUTHORS TRANSL)]** Frank O *Wien Klin Wochenschr* 86:252-6, 3 May 74 (Ger)

**[INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM]** Verloren HJ, Lohmann D, Bruckner U, Pohl A, Bemm H *Dtsch Z Verdau Stoffwechselk* 33:89-95, 1973 (Ger)

### CARBOHYDRATE TOLERANCE

**LONG-TERM THERAPY WITH LOW-DOSE CISCLOMIPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE.** Reyes FI, Faïman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]

**[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS]** Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

### CARBON 14

**1 CARBON 14-LABELED PALMITIC ACID METABOLISM IN FASTED, LACTATING GOATS FOLLOWING NICOTINIC ACID ADMINISTRATION.** Waterman R, Schultz LH *J Dairy Sci* 56:1569-74, Dec 73 (Eng)

### CARBON DIOXIDE

**CARBON DIOXIDE MEDIATED GLYCOLYSIS II.** Zborowska-Sluis DT, Klassen GA *Respir Physiol* 19:162-75, Nov 73 (Eng)

### CARCINOID TUMOR

**CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID.** Patchefsky AS, Gordon G, Harrer WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

### CARCINOMA

**STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS.** Vinik AI, Deppe WM *S Afr Med J* 74:518-24, 31 Mar 74 (Eng)

### CARCINOMA, COLONIC

**DISTANT MANIFESTATIONS OF COLONIC CARCINOMA.** Troncale FJ *Ann NY Acad Sci* 230:332-8, 1974 (Eng) [50]

### CARCINOMA, PANCREATIC

**PANCREATIC CARCINOMA. A REVIEW OF ETIOLOGIC CONSIDERATIONS.** Mainz D, Webster PD *3d Am J Dig Dis* 19:459-64, May 74 (Eng)

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### CARCINOMA, PROSTATIC

#### CARCINOMA, PROSTATIC

ECTOPIC ADRENOCORTICOTROPIN SYNDROME WITH PROSTATIC CARCINOMA. Newmark SR, Dluhy RG, Bennett AH *Urology* 2:666-8, Dec 73 (Eng)

#### CARDIAC SURGERY

INFLUENCE OF CARDIAC SURGERY USING CARDIO-PULMONARY BYPASS ON METABOLIC REGULATION. Abe T *Jap Circ J* 38:13-21, Jan 74 (Eng)

#### CARDIOGENIC SHOCK

CARDIOGENIC SHOCK: THERAPEUTIC IMPLICATIONS OF ALTERED MYOCARDIAL ENERGY BALANCE. Kones RJ *Angiology* 25:317-33, May 74 (Eng) [25]

#### CARDIO-PULMONARY BYPASS

INFLUENCE OF CARDIAC SURGERY USING CARDIO-PULMONARY BYPASS ON METABOLIC REGULATION. Abe T *Jap Circ J* 38:13-21, Jan 74 (Eng)

#### CARDIOVASCULAR BEHAVIOR

[BETAADRENOL INFLUENCE ON CARDIOVASCULAR AND METABOLIC BEHAVIOR IN ORAL SURGERY WITH LOCAL ANESTHESIA] Tetsch P, Brisse B, Eismann U *Dtsch Zahnärztl Z* 28:1011-5, Oct 73 (Ger)

#### CARRIER PROTEIN

INHIBITION OF FATTY ACID SYNTHESIS BY THE ANTIBIOTIC CERULENIN. SPECIFIC INACTIVATION OF BETA-KETOACYL-ACYL CARRIER PROTEIN SYNTHETASE. D'Agnolo G, Rosenfeld IS, Awaya J, Omura S, Vagelos PR *Biochim Biophys Acta* 326:155-6, 29 Nov 73 (Eng)

#### CASEIN

THE UTILIZATION BY GROWING LAMBS OF A CASEIN-SAFFLOWER OIL SUPPLEMENT TREATED WITH FORMALDEHYDE. Faichney GH, Scott TW, Cook LJ *Aust J Biol Sci* 26:1179-88, Oct 73 (Eng)

[EFFECT OF INSULIN DEFICIENCY ON PHOSPHORUS LEVEL IN CASEIN IN GOAT MILK] Nowak J, Lulczynska K *Pol Arch Weter* 16:193-9, 1973 (Pol)

#### CATABOLISM

[THE CATABOLISM OF REDUCED OLIGOSACCHARIDES IN MAN AND RAT] Dierkes L, Busing G, Reinauer H *Z Ernährungs-wiss* 12:209-17, Sep 73 (Ger)

#### CATARACT

[WERNERS SYNDROME. FAMILIAL UL-CEROUS SCLEROIDERMIA WITH CATARACTS AND DIABETES] Vandaele R *Arch Belg Dermatol* 29:251-4, Jul-Sep 73 (Fre)

[WERNERS SYNDROME. FAMILIAL UL-CEROUS SCLEROIDERMIA WITH CATARACT AND DIABETES] Vandaele R *Arch Belg Dermatol Syphiligr* 29:251-4, Jul-Sep 73 (Fre)

#### CATECHOLAMINE

INFLUENCE OF AGE AND CLIMATOLOGICAL VARIATIONS ON BLOOD GLUCOSE AND ADRENOMEDULLARY CATECHOLAMINES IN THE PIGEON. Lahiri P *Acta Physiol Pol* 24:817-29, Nov-Dec 73 (Eng)

[CATECHOLAMINES AND ARTERIOSCLEROSIS] Numano F *Jap J Clin Med* 31:2718-27, Sep 73 (Jap) [30]

#### CATECHOLAMINE EFFECT

COLD ADAPTATION. 3. EFFECTS OF CATECHOLAMINES AND THYROID HORMONE ON INDUCTION OF LIVER PHOSPHOENOLPYRUVATE CARBOXYKINASE ON COLD-EXPOSURE. Nagai K, Nakagawa H *J Biochem (Tokyo)* 74:873-9, Nov 73 (Eng)

#### CATION

THE EFFECT OF GLUCOSE ON URINARY CATION EXCRETION DURING CHRONIC EXTRACELLULAR VOLUME EXPANSION IN NORMAL MAN. Lennon EJ, Lemann J Jr, Piering WF, Larson LS *J Clin Invest* 53:1424-33, May 74 (Eng)

#### CECAL CONTENT

EFFECTS OF MODIFYING UREA HYDROLYSIS IN ACUTE NEPHRECTOMY ON SURVIVAL, AMMONIA IN CECAL CONTENTS AND BLOOD METABOLITES. Prior RL, Visek WJ *Proc Soc Exp Biol Med* 144:184-8, 1 Oct 73 (Eng)

#### CELL

NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS. Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

THYROID HORMONE ACTION IN CELL CULTURE: DEMONSTRATION OF NUCLEAR RECEPTORS IN INTACT CELLS AND ISOLATED NUCLEI. Samuels HH, Tsai JS *Proc Natl Acad Sci USA* 70:3488-92, Dec 73 (Eng)

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)] Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena)* 46:15-24, 1973 (Ger)

#### CELL, BROWN FAT

THE EFFECT OF PROSTAGLANDIN E1 ON NOREPINEPHRINE-INDUCED MEMBRANE DEPOLARIZATION AND CYCLIC AMP ACCUMULATION IN BROWN FAT CELLS. Moskowitz J, Krishna G *Pharmacology* 10:129-35, 1973 (Eng)

#### CELL CULTURE

THYROID HORMONE ACTION IN CELL CULTURE: DEMONSTRATION OF NUCLEAR RECEPTORS IN INTACT CELLS AND ISOLATED NUCLEI. Samuels HH, Tsai JS *Proc Natl Acad Sci USA* 70:3488-92, Dec 73 (Eng)

#### CELL DEFECT

MANIFESTATIONS OF DIABETES MELLITUS--THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW. Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]

#### CELL FREE SYSTEM

NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS. Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

#### CELL GROWTH

GROWTH OF CELLS ON SOLID CULTURE MEDIUM. I. GROWTH OF A HOMOGENEOUS CELL LAYER ON A SOLID CULTURE MEDIUM. Muller-Ontjes J *Biophysik* 10:143-55, 1973 (Eng)

#### CELL KINETICS

CELL KINETICS OF THE GROWTH PLATE IN HYPOPHYSECTOMIZED RATS TREATED WITH GROWTH HORMONE AND THYROXINE. Thorngren KG, Hansson LI *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73 (Eng)

#### CELL LEVEL

[VARIOUS RECENT USES OF HORMONES AND THEIR MECHANISM OF ACTION ON THE CELL LEVEL] Barnabei O, Orlandi C *Recent Prog Med (Roma)* 56:47-76, Jan 74 (Ita)

#### CELL, PARS INTERMEDIA

ELECTRON MICROSCOPIC-IMMUNOCYTOCHEMICAL LOCALIZATION OF ADRENOCORTICOTROPIN AND MELANOCYTE STIMULATING HORMONE IN THE PARS INTERMEDIA CELLS OF RATS AND MICE. Naik DV *Z Zellforsch Mikrosk Anat* 142:305-28, 17 Sep 73 (Eng)

#### CELLULAR DISORDER

EFFECTS OF PREGNANCY ON TRYPA NOSOMA CONGOLENSIS INFECTION IN RATS: SERUM BIOCHEMISTRY AND CELLULAR DISORDERS. Simaren JO, Amopetu JJ *Ann Parasitol Hum Comp* 48:433-46, Mar-Jun 73 (Eng)

#### CENTRAL NERVOUS SYSTEM

[A NEUROPHYSIOLOGIC ANALYSIS OF THE EFFECT OF INSULIN ON THE CENTRAL NERVOUS SYSTEM] Amiragova MG, Pokryshkin VI *Fiziol Zh SSSR* 59:1473-82, Oct 73 (Rus)

#### CENTRIFUGATION STRESS

ADRENERGIC BETA-RECEPTOR BLOCKADE AND METABOLIC RESPONSE TO CENTRIFUGATION STRESS. Harrison MH *J Appl Physiol* 35:793-7, Dec 73 (Eng)

#### CEPHALOPOD MOLLUSC

[FUNCTIONAL ORGANIZATION OF THE ENZYME SYSTEMS OF GLYCOLYSIS IN MUSCLE AND NERVE TISSUE OF CEPHALOPOD MOLLUSCS AND LOWER FISHES] Verzhbinskaia NA *Zh Evol Biokhim Fiziol* 8:260-8, May-Jun 73 (Rus)

#### CEREBRAL CORTEX

PROCEEDINGS: EFFECTS OF PHENOBARBITONE ON GLUCOSE TRANSPORT AND MEMBRANE ATP-ASE ACTIVITIES OF CEREBRAL CORTEX. Gilbert JC *Br J Pharmacol* 44:338P-339P, Feb 72 (Eng)

#### CEREBRAL INVOLVEMENT

[CEREBRAL INVOLVEMENT IN HYPOGLYCEMIA: EXPERIMENTAL NEUROPHYSIOLOGICAL BASES] Waltregny A *Rev Med Liege* 29:222-3, 15 Apr 74 (Fre)

#### CERULENIN

INHIBITION OF FATTY ACID SYNTHESIS BY THE ANTIBIOTIC CERULENIN. SPECIFIC INACTIVATION OF BETA-KETOACYL-ACYL CARRIER PROTEIN SYNTHETASE. D'Agnolo G, Rosenfeld IS, Awaya J, Omura S, Vagelos PR *Biochim Biophys Acta* 326:155-6, 29 Nov 73 (Eng)

#### CHARCOT JOINT

THE CHARCOT JOINT: SOME PATHOLOGIC AND PATHOGENETIC CONSIDERATIONS. Kidd JG *Jr South Med J* 67:597-602, May 74 (Eng)

# CHEMICAL DIABETES

THE SMALL BLOOD VESSELS IN CHEMICAL DIABETES. Davis E, Herman JB *Bibl Anat* 11:468-72, 1973 (Eng)

# CHEMICAL LABORATORY RELIABILITY

[A SUGGESTION FOR THE ORDERING OF CLINICAL CHEMICAL LABORATORIES ACCORDING TO THE RELIABILITY OF THEIR ANALYTICAL RESULTS (AUTHORS TRANSL.) Bauer P, Havelec L, Kaiser E, Scheiber V, Wohlzogen FX *Z Klin Chem Klin Biochem* 11:174-5, Apr 73 (Ger)

# CHEMOLITHOTROPH

REGULATION IN THE CHEMOLITHOTROPH THIOPHILLUS NEAPOLITANUS: FRUCTOSE-1,6-DIPHOSPHATASE. Johnson EJ, MacElroy RD *Arch Mikrobiol* 93:23-8, 4 Oct 73 (Eng)

# CHEMOTHERAPY, ANTIBACTERIAL

[THE SECONDARY DISEASE IN INTERNAL MEDICINE (ANTIBACTERIAL CHEMOTHERAPY)] Hitzengerber G *Int J Clin Pharmacol* 8:282-91, Dec 73 (Ger)

# CHICK EMBRYO

ANNULATE LAMELLAE IN HEPATIC AND PANCREATIC BETA CELLS OF THE CHICK EMBRYO. I. Benzo CA *Am J Anat* 140:139-43, May 74 (Eng)

# CHILD

INFLUENCE OF FLOW RATE ON THE KINETICS OF THE INTESTINAL ABSORPTION OF GLUCOSE AND LYSINE IN CHILDREN. Rey F, Drillet F, Schmitz J, Rey J *Gastroenterology* 66:79-85, Jan 74 (Eng)

GANGRENE OF THE HAND IN A NEWBORN CHILD. Hoffman S, Valderrama E, Gribetz I, Strauss L *Hand* 6:70-3, Feb 74 (Eng)

THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS. Castro A, Buist NR *Clin Biochem* 7:81-7, Mar 74 (Eng)

# CHILD, DIABETIC

LETTER: GROWTH IN DIABETIC CHILDREN. Murthy DY, Jackson RL *Lancet* 1:736-7, 20 Apr 74 (Eng)

[LETTER: SITUATION OF THE DIABETIC CHILD AND ADOLESCENT IN WESTERN GERMANY] Hopker W *Dtsch Med Wochenschr* 99:371-2, Feb 74 (Ger)

[GUIDANCE OF DIABETIC CHILDREN IN THEIR DAILY ACTIVITIES] Anonymous *Jap J Nurs Art* 20:157-67, Apr 74 (Jap)

# CHILD, ETHIOPIAN

LACTOSE MALABSORPTION IN ETHIOPIAN CHILDREN. Habte D, Sterky G, Hjalmarsson B *Acta Paediatr Scand* 62:649-54, Nov 73 (Eng)

# CHILD, SHORT

PROCEEDINGS: GROWTH HORMONE SECRETION DURING SLEEP IN SHORT CHILDREN: A CONTINUOUS SAMPLING STUDY. Howse PM, Rayner PH, Williams JW, Rudd BT *Arch Dis Child* 49:246, Mar 74 (Eng)

# CHILDHOOD

[BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD] Kaser H, Wagner HP, Zuppinger K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)

# CHLORPROPAMIDE-METFORMIN

[LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLORPROPAMIDE-METFORMIN] Schulte J, Garcia Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)

# CHLORELLA VULGARIS

THE ACTIVE HEXOSE-UTAKE SYSTEM OF CHLORELLA VULGARIS. KM-VALUES FOR 6-DEOXYGLUCOSE INFLUX AND EFFLUX AND THEIR CONTRIBUTION TO SUGAR ACCUMULATION. Komor E, Haass D, Komor B, Tanner W *Eur J Biochem* 39:193-200, 1 Nov 73 (Eng)

# CHLORHEXIDINE EFFECT

A COMPARATIVE STUDY ON THE EFFECT OF FLUORIDE, LAURYL SULPHATE AND CHLORHEXIDINE ON GLUCOSE UTILIZATION IN RAT INTESTINAL MUCOSAL CELLS. Olsen I, Sogren E *Acta Pharmacol Toxicol (Kbh)* 33:348-52, 1973 (Eng)

# CHLORPROPAMIDE EFFECT

EFFECT OF CHLORPROPAMIDE ON OSMOTIC WATER FLOW ACROSS TOAD BLADDER AND THE RESPONSE TO VASOPRESSIN, THEOPHYLLINE AND CYCLIC AMP. Mendoza SA, Brown CF Jr *J Clin Endocrinol Metab* 38:883-9, May 74 (Eng)

# CHOLESTEROL

[OXYGEN AND GLUCOSE CONSUMPTION BY AORTIC TISSUE DURING DIETARY ADMINISTRATION OF CHOLESTEROL AND NERVOUS SYSTEM STRESS] Khomulo PS, Mytareva LV, Zakirichnaia GA *Kardiologiia* 13:116-20, Jan 73 (Rus)

CURRENT STATUS OF THE CHOLESTEROL HYPOTHESIS. Podell RN *Am Fam Physician* 9:145-8, Jan 74 (Eng)

# CHOLESTEROL ACCUMULATION

THE MECHANISM OF ACTION OF ADRENOCORTICOTROPIC HORMONE. THE ROLE OF MITOCHONDRIAL CHOLESTEROL ACCUMULATION IN THE REGULATION OF STEROIDOGENESIS. Mahaffee D, Reitz RC, Ney RL *J Biol Chem* 249:227-33, 10 Jan 74 (Eng)

# CHOLESTEROL FEEDING

STUDIES ON THE EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE ATHEROSCLEROSIS INDUCED BY CHOLESTEROL FEEDING IN RABBITS. II. EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE FORMATION OF ATHEROSCLEROSIS. Lin JK, Hsu CY, Huang CH, Chiang HH, Tung TC *J Formosan Med Assoc* 72:472-9, Sep 73 (Eng)

# CHOLESTEROL, PLASMA

REDUCTION OF PLASMA CHOLESTEROL LEVELS IN MALE RETIRED BREEDER RATS BY AN ANABOLIC STEROID, OXANDROLONE. Mills ES, Kriz BM, Jones AL *Proc Soc Exp Biol Med* 144:861-3, Dec 73 (Eng)

# CHOLINE ACETYLASE

EFFECTS OF FOOD DEPRIVATION, DISCRIMINATION EXPERIENCE AND PHYSOSTIGMINE ON CHOLINE ACETYLASE AND ACETYLCHOLINE ESTERASE IN THE DORSAL HIPPOCAMPUS AND FRONTAL CORTEX OF RATS. Izquierdo JA, Baratti CM, Torrello M, Arevalo L, McGaugh JL *Psychopharmacologia* 33:103-10, 23 Oct 73 (Eng)

# CHOROID PLEXUS, MOUSE

RESERPINE-INDUCED GLYCOGEN ACCUMULATION IN THE EPITHELIAL CELLS OF THE MOUSE CHOROID PLEXUS. Suzuki Y, Ito T *Brain Res* 70:113-22, 12 Apr 74 (Eng)

# CHROMIUM NUTRITION

CHROMIUM NUTRITION IN MAN. Hambidge KM *Am J Clin Nutr* 27:505-14, May 74 (Eng)

# CHYLOMICRON

THE ROLE IN CHYLOMICRON FORMATION OF PHOSPHOLIPASE ACTIVITY OF INTESTINAL GOLGI MEMBRANES. Redgrave TG *Aust J Exp Biol Med Sci* 51:427-34, Aug 73 (Eng)

# CIRCADIAN RHYTHM

STUDIES ON THE CIRCADIAN RHYTHM OF PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY IN RATS. II. EFFECT OF THE AUTONOMIC NERVOUS SYSTEM ON THE RHYTHM IN LIVER. Nagai K, Suda M, Nakagawa H *J Biochem (Tokyo)* 74:863-71, Nov 73 (Eng)

# CIRCULATION, PRETERMINAL

THE DIAGNOSTIC SIGNIFICANCE OF THE FINGER-TIP BIOPSY IN MICROANGIOPATHIES. PATHOLOGY OF THE ARTERIOVENOUS ANASTOMOSES AND PRETERMINAL CIRCULATION. Curri SB *Bibl Anat* 11:310-6, 1973 (Eng)

# CIRRHOSIS, LIVER

[DIAGNOSTIC VALIDITY OF THE INTRAVENOUS GALACTOSE TOLERANCE TEST IN LIVER CIRRHOSIS (AUTHORS TRANSL.) Bohmer R, Rommel K *Acta Hepatogastroenterol (Stuttg)* 19:344-56, Sep-Oct 72 (Ger)

[CHANGES IN GLUCOSE METABOLISM IN LIVER CIRRHOSIS] Rodriguez Lopez E, Rojas L, Landa L *Rev Gastroenterol Mex* 37:89-95, Mar-Apr 72 (Spa)

[ALPHA2-MACROGLOBULIN CONCENTRATION IN THE SERUM IN CHRONIC PANCREATITIS, LIVER CIRRHOSIS AND DIABETES MELLITUS] Geller LI, Kazimichik AP, Kozlova ZP *Vopr Med Khim* 19:96-9, Jan-Feb 73 (Rus)

# CISCLOMIPHENE

LONG-TERM THERAPY WITH LOW-DOSE CISCLOMIPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE. Reyes FI, Faiman C *Int J Fertil* 19:49-55, 1974 (Eng)

# CITRATE ENZYME

THE CITRATE ENZYMES: THEIR STRUCTURES, MECHANISMS, AND BIOLOGICAL FUNCTIONS. Sreter PA *Curr Top Cell Regul* 5:229-83, 1972 (Eng)

# CLIMATOLOGICAL VARIATION, PIGEON

INFLUENCE OF AGE AND CLIMATOLOGICAL VARIATIONS ON BLOOD GLUCOSE AND ADRENOMEDULLARY CATECHOLAMINES IN THE PIGEON. Lahiri P *Acta Physiol Pol* 24:817-29, Nov-Dec 73 (Eng)

# CLINICAL EXPERIENCE

[CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST

# CLOFIBRATE EFFECT

CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE] Stolp W, Hurnemann B, Mund-Hoym S, Hansmann M *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)

# CLOFIBRATE EFFECT

EFFECT OF CLOFIBRATE ON ARGININE-STIMULATED GLUCAGON AND INSULIN SECRETION IN MAN. Eaton RP, Schade DS *Metabolism* 23:445-54, May 74 (Eng)

# CLOPRIMAZINE EFFECT

[THE EFFECT OF MORPHINE, PETHIDINE AND CLOPRIMAZINE ON THE HYPOTHALAMO-PITUITARY-ADRENAL SYSTEM (AUTHORS TRANSL.) Morgner KD, Fissan H, Lucke C *Klin Wochenschr* 51:1205-7, 15 Dec 73 (Ger)

# COBALT

SOME EFFECTS OF FEEDING YOUNG STEERS ON A DIET DEFICIENT IN BOTH COBALT AND COPPER. MacPherson A, Moon FE, Voss RC *Br Vet J* 129:414-26, Sep-Oct 73 (Eng)

# COD

[LIPID AND FATTY ACID COMPOSITION OF NERVOUS TISSUE PHOSPHOLIPIDS OF SQUID, LOBSTER, DOGFISH AND COD] Noren R, Svennerholm L *Zh Evol Biokhim Fiziol* 9:225-34, May-Jun 73 (Rus)

# COELACANTH

SERUM COMPOSITION OF THE COELACANTH, *LATIMERIA CHALUMNAE* SMITH. Griffith RW, Umminger BL, Grant BF, Pang PK, Pickford GE *J Exp Zool* 187:87-102, Jan 74 (Eng)

# COEXISTING DISEASE

SURVIVAL RATES IN SURGERY OF THE AGED. ASSESSMENT OF LONG-TERM PROGNOSIS ACCORDING TO COEXISTING DISEASES. Andersen B, Ostberg J *Gerontol Clin (Basel)* 14:354-60, 1972 (Eng)

# COLD

[CHANGES IN THE CARBOHYDRATE AND FAT METABOLIC INDICES, THE STATE OF THE SYMPATHO-ADRENAL SYSTEM AND OXIDATIVE PROCESS UNDER THE EFFECT OF COLD OF DIFFERENT INTENSITIES] Liakh LO *Fiziol Zh* 19:503-10, Jul-Aug 73 (Ukr)

COLD-INDUCED THERMOGENESIS IN DOGS: ITS REDUCTION BY MODERATE HYPOXIA. Blatteis CM, Lutherer LO *J Appl Physiol* 35:608-12, Nov 73 (Eng)

# COLD ADAPTATION

COLD ADAPTATION. 3. EFFECTS OF CATECHOLAMINES AND THYROID HORMONE ON INDUCTION OF LIVER PHOSPHOENOLPYRUVATE CARBOXYKINASE ON COLD-EXPOSURE. Nagai K, Nakagawa H *J Biochem (Tokyo)* 74:873-9, Nov 73 (Eng)

# COLD EXPOSURE

COLD ADAPTATION. 3. EFFECTS OF CATECHOLAMINES AND THYROID HORMONE ON INDUCTION OF LIVER PHOSPHOENOLPYRUVATE CARBOXYKINASE ON COLD-EXPOSURE. Nagai K, Nakagawa H *J Biochem (Tokyo)* 74:873-9, Nov 73 (Eng)

# COLLAGEN

SKIN COLLAGEN IN DIABETES MELLITUS IN RELATION TO TREATMENT. Francis MJ, Ellis JP, Hockaday TD *Proc R Soc Med* 67:35-6, Jan 74 (Eng)

# COLLAGENASE

THE PRESENCE OF A FACTOR TOXIC TO PANCREATIC BETA CELLS IN SOME COLLAGENASE PREPARATIONS. Moskalewski S, Sochanska KR, Wiwatowski T *Bull Acad Pol Sci [Biol]* 22:127-30, 1974 (Eng)

# COMA, DIABETIC

[DIABETIC COMA] Martin W *Schwes Rev* 12:17-8, 15 Jan 74 (Ger)

DIABETIC COMA: GUIDELINES IN THERAPY. Matz R *NY State J Med* 74:642-7, Apr 74 (Eng)

INTRAVASCULAR HAEMOLYSIS COMPLICATING TREATED NON-KETOTIC HYPERGLYCAEMIC DIABETIC COMA. Blackwell SW, Burns-Cox CJ *Postgrad Med J* 49:656-7, Sep 73 (Eng)

# COMPOSITE MEAL

STUDIES OF GASTROINTESTINAL INTERACTIONS. V. GASTRIC SECRETION AND DUODENAL REFLUX IN MAN AFTER A COMPOSITE MEAL. THE INFLUENCE OF GLUCOSE ON GASTRIC SECRETION, EMPTYING AND GASTRIC VOLUME. Lagerlof HO, Johansson C, Ekelund K *Scand J Gastroenterol* 8:735-42, 1973 (Eng)

# CONJUNCTIVA

ULTRASTRUCTURAL STUDY OF CONJUNCTIVAL CAPILLARIES AND BIOCHEMICAL STUDY OF CONJUNCTIVA IN THE COURSE OF HUMAN AND ANIMAL DIABETES. Regnault F, Kern P *Bibl Anat* 11:459-67, 1973 (Eng)

# CONJUNCTIVAL CAPILLARY

ULTRASTRUCTURAL STUDY OF CONJUNCTIVAL CAPILLARIES AND BIOCHEMICAL STUDY OF CONJUNCTIVA IN THE COURSE OF HUMAN AND ANIMAL DIABETES. Regnault F, Kern P *Bibl Anat* 11:459-67, 1973 (Eng)

# CONSCIOUS DOG

FLUCTUATIONS OF PLASMA GLUCOSE AND INSULIN IN CONSCIOUS DOGS RECEIVING GLUCOSE INFUSIONS. Ookhtens M, Marsh DJ, Smith SW, Bergman RN, Yates FE *Am J Physiol* 226:910-9, Apr 74 (Eng)

# CONTINUOUS FLOW ANALYZER

DESIGN AND OPERATION OF A SIGNAL COMPARATOR TO INCREASE EFFICIENCY OF CONTINUOUS-FLOW ANALYZERS. Neeley WE, Wardlaw S, Swinnen ME *Clin Chem* 20:78-80, 1974 (Eng)

# CONTINUOUS SAMPLING STUDY

PROCEEDINGS: GROWTH HORMONE SECRETION DURING SLEEP IN SHORT CHILDREN: A CONTINUOUS SAMPLING STUDY. Howse PM, Rayner PH, Williams JW, Rudd BT *Arch Dis Child* 49:246, Mar 74 (Eng)

# CONTRACEPTIVE, ORAL

CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN. Spellacy WN, Bui WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

METABOLIC EFFECTS OF ORAL CONTRACEPTIVES. Spellacy WN *Clin Obstet Gynecol* 17:53-64, Mar 74 (Eng) [22]

# CONTROL ENZYME

X-RAY ANALYSIS OF CONTROL ENZYMES. Johnson LN *Symp Soc Exp Biol* 27:5-20, 1973 (Eng) [31]

# CONVOLUTED SEGMENT

THE ROLE OF THE CONVOLUTED SEGMENT OF THE PROXIMAL TUBULE IN THE DISPOSAL OF 131-I-INSULIN IN THE RAT KIDNEY. Sotturrai V *Am J Anat* 140:181-90, Jun 74 (Eng)

# COPENHAGEN

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP *Diabetes* 23:302-5, Apr 74 (Eng)

# COPPER

SOME EFFECTS OF FEEDING YOUNG STEERS ON A DIET DEFICIENT IN BOTH COBALT AND COPPER. MacPherson A, Moon FE, Voss RC *Br Vet J* 129:414-26, Sep-Oct 73 (Eng)

# CORE SEQUENCE

LIPOLYTIC ACTIVITY OF MET-ARG-HIS-PHE-ARG-TRP-GLY, A SYNTHETIC ANALOG OF THE ACTH (4-10) CORE SEQUENCE. Draper MW, Merrifield RB, Rizack MA *J Med Chem* 16:1326-30, Dec 73 (Eng)

# CORONARY ATHEROSCLEROSIS

[NATURAL HISTORY OF CORONARY ATHEROSCLEROSIS IN IRANIAN WORKERS] Daneche Pajouh M, Montazami K, Hedayat C, Kamali P, Pirouzmande B *Arch Mal Coeur* 66:1201-10, Sep 73 (Fre)

# CORONARY PREVENTION

CURRENT STATUS OF CORONARY PREVENTION. LESSONS FROM THE FRAMINGHAM STUDY. Dawber TR, Kannel WB *Prev Med* 1:499-512, Dec 72 (Eng)

# CORTEX

EFFECTS OF FOOD DEPRIVATION, DISCRIMINATION EXPERIENCE AND PHYSOSTIGMINE ON CHOLINE ACETYLASE AND ACETYLCHOLINE ESTERASE IN THE DORSAL HIPPOCAMPUS AND FRONTAL CORTEX OF RATS. Izquierdo JA, Baratti CM, Torrelío M, Arevalo L, McGaugh JL *Psychopharmacologia* 33:103-10, 23 Oct 73 (Eng)

# CORTICAL

[PHYSIOPATHOLOGICAL AND ANATOMOClinical BASES OF SURGERY OF DUODENAL ULCER (CORTICAL, DIENCEPHALIC, HYPOPHYSEAL, PANCREATIC, (ADRENAL) AND VAGOGASTRIC PATHOGENIC HYPOTHESIS)] Mandache F, Prodescu V, Constantinescu S, Vasiliu M, Ghergut A *Chirurgia (Bucur)* 23:97-110, Feb 74 (Rum)

# CORTICOSTEROID

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

CORTICOSTEROID MANAGEMENT OF HEMORRHAGIC GLAUCOMA. Drews RC *Trans Am Acad Ophthalmol Otolaryngol* 78:OP334-6, Mar-Apr 74 (Eng)

# CORTISOL SECRETION

INHIBITION OF HYPOGLYCEMIA-INDUCED CORTISOL SECRETION BY THE SEROTONIN ANTAGONIST CYPROHEPTADINE. Plonk JW, Bivens CH, Feldman JM *J Clin Endocrinol Metab* 38:836-40, May 74 (Eng)

# CORTISONE

[LARGE INTRAVENOUS DOSES OF CORTISONE IN RENAL TRANSPLANTATION] Stummvoll HK, Pinggera WF, Oppolzer R, Singer F, Wolf A *Wien Med Wochenschr* 124:232-5, Apr 74 (Ger)

# CREATINE KINASE

PROPERTIES AND MECHANISM OF ACTION OF CREATINE KINASE FROM OX SMOOTH MUSCLE. ANION EFFECTS COMPARED WITH PYRUVATE KINASE. Focant B, Watts DC *Biochem J* 135:265-76, Oct 73 (Eng)

# CREATINE PHOSPHATE

[COMPARATIVE STUDIES ON THE INFLUENCE OF CREATINE PHOSPHATE AND CREATININE PHOSPHATE ON RESPIRATION AND OXIDATIVE PHOSPHORYLATION OF ISOLATED HEART AND LIVER MITOCHONDRIA] Noack E *Arzneim Forsch* 23:1037-41, Aug 73 (Ger)

# CREATININE PHOSPHATE

[COMPARATIVE STUDIES ON THE INFLUENCE OF CREATINE PHOSPHATE AND CREATININE PHOSPHATE ON RESPIRATION AND OXIDATIVE PHOSPHORYLATION OF ISOLATED HEART AND LIVER MITOCHONDRIA] Noack E *Arzneim Forsch* 23:1037-41, Aug 73 (Ger)

# CRYOTHERAPY

CRYOTHERAPY IN NEOVASCULAR GLAUCOMA. Boniuk M *Trans Am Acad Ophthalmol Otolaryngol* 78:OP337-43, Mar-Apr 74 (Eng)

# CRYSTAL DEPOSITION

DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION. McCarty DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)

# CULTURE

GROWTH OF CELLS ON SOLID CULTURE MEDIUM. I. GROWTH OF A HOMOGENEOUS CELL LAYER ON A SOLID CULTURE MEDIUM. Muller-Ontjes J *Biophysik* 10:143-55, 1973 (Eng)

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi JA *J Cell Biol* 60:685-94, Mar 74 (Eng)

EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brodin S *Biochem Biophys Res Commun* 56:1045-51, 27 Feb 74 (Eng)

# CURRENT TREATMENT

[DIAGNOSIS AND CURRENT TREATMENT OF DIABETES INSIPIDUS. APROPOS OF 10 CASES] Schaison G, Nathan C, Gilbert-Dreyfus S *Sem Hop Paris* 49:2825-31, 26 Oct 73 (Fre)

# CYBERNETIC PATHOLOGY

[CYBERNETIC PATHOLOGY: CYBERNOSIS] Restian A *G Clin Med* 54:598-609, Sep 73 (Ita)

# CYBERNOSIS

[CYBERNETIC PATHOLOGY: CYBERNOSIS] Restian A *G Clin Med* 54:598-609, Sep 73 (Ita)

# CYCLIC AMP

SEE ADENOSINE-3,5-CYCLIC-MONOPHOSPHATE

# CYPROHEPTADINE

INHIBITION OF HYPOGLYCEMIA-INDUCED CORTISOL SECRETION BY THE SEROTONIN ANTAGONIST CYPROHEPTADINE. Plonk JW, Bivens CH, Feldman JM *J Clin Endocrinol Metab* 38:836-40, May 74 (Eng)

# CYSTIC FIBROSIS

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppinger K *J Pediatr* 84:821-4, Jun 74 (Eng)

# CYTOCHALASIN

PROCEEDINGS: MAST CELL SECRETION (HISTAMINE RELEASE) INDUCED BY 48-80: CALCIUM-DEPENDENT EXOCYTOSIS INHIBITED STRONGLY BY CYTOCHALASIN ONLY WHEN GLYCOLYSIS IS RATE-LIMITING. Douglas WW, Ueda Y *J Physiol (Lond)* 234:97P-98P, Oct 73 (Eng)

# DAILY GUIDANCE

[GUIDANCE OF DIABETIC CHILDREN IN THEIR DAILY ACTIVITIES] Anonymous *Jap J Nurs Art* 20:157-67, Apr 74 (Jap)

# DAMAGE, MOUSE

VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCARDITIS VIRUS. Hayashi K, Boucher DW, Notkins AL *Am J Pathol* 75:91-102, Apr 74 (Eng)

# DEATH

[DEATHS CAUSED BY CHRONIC PYELONEPHRITIS AND KIMMELSTIEL-WILSON SYNDROME AMONG DIABETICS] Torzecka W, Mroszczyk M, Jurga-Waniek K *WHO Tech Rep Ser* 27:405-9, 1 Mar 74 (Pol)

# DEEP VEIN THROMBOSIS

LETTER: FIBRINOLYTIC ACTIVITY AND POSTOPERATIVE DEEP-VEIN THROMBOSIS. Chakrabarti R *Lancet* 1:868, 4 May 74 (Eng)

# DEFECT

REGULATORY DEFECT OF GLYCOLYSIS IN HUMAN LIPOMA. Atkinson JN, Galton DJ, Gilbert C *Br Med J* 1:101-2, 19 Jan 74 (Eng)

# DEFECT, TISSUE METABOLIC

INTRAVASCULAR AGGREGATION OF BLOOD CELLS AND TISSUE METABOLIC DEFECTS. Gelin LE *Adv Exp Med Biol* 37:647-56, 1973 (Eng)

# DEFICIENCY

[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE] Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

[EFFECT OF INSULIN DEFICIENCY ON PHOSPHORUS LEVEL IN CASEIN IN GOAT MILK] Nowak J, Lulczynska K *Pol Arch Weter* 16:193-9, 1973 (Pol)

HEPATIC PHOSPHORYLASE DEFICIENCY. ITS DIFFERENTIATION FROM OTHER HEPATIC GLYCOGENOSES. Fernandes J, Koster JF, Grose WF, Sorgedraeger N *Arch Dis Child* 49:186-91, Mar 74 (Eng)

# DEFICIENT DIET

SOME EFFECTS OF FEEDING YOUNG STEERS ON A DIET DEFICIENT IN BOTH COBALT AND COPPER. MacPherson A, Moon FE, Voss RC *Br Vet J* 129:414-26, Sep-Oct 73 (Eng)

# DEFICIENT RAT

GROWTH HORMONE LEVELS IN VITAMIN B6-DEFICIENT RATS. Makris A, Gershoff SH *Horm Metab Res* 5:457-61, Nov 73 (Eng)

# DEHYDROGENASE

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. PURIFICATION AND CHARACTERIZATION. Duggleby RG, Dennis DT *J Biol Chem* 249:162-6, 10 Jan 74 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. ASSAY AND STEADY STATE KINETICS. Duggleby RG, Dennis DT *J Biol Chem* 249:167-74, 10 Jan 74 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. EFFECT OF NICOTINAMIDE ADENINE DINUCLEOTIDE AND RELATED COMPOUNDS ON THE ENZYME-CATALYZED ARSENOLYSIS OF 1,3-DIPHOSPHOGLYCERIC ACID. Duggleby RG, Dennis DT *J Biol Chem* 249:175-81, 10 Jan 74 (Eng)

# DEMULEN

CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN. Spellacy WN, Buhi WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

# DENTISTRY

[DIABETES IN DENTISTRY] Barreiro Davina A *An Esp Odontostomatol* 33:59-68, Jan-Feb 74 (Spa)

# 6-DEOXYGLUCOSE

THE ACTIVE HEXOSE-UP TAKE SYSTEM OF CHLORELLA VULGARIS. KM-VALUES FOR 6-DEOXYGLUCOSE INFLUX AND EFFLUX AND THEIR CONTRIBUTION TO SUGAR ACCUMULATION. Komor E, Haass D, Komor B, Tanner W *Eur J Biochem* 39:193-200, 1 Nov 73 (Eng)

# 2-DEOXY-D-GLUCOSE

EFFECTS OF INSULIN AND 2-DEOXY-D-GLUCOSE ON PLASMA GLUCOSE LEVEL AND LATERAL HYPOTHALAMIC EATING THRESHOLD IN THE RAT. Berthoud HR, Baettig K *Physiol Behav* 12:547-56, Apr 74 (Eng)

# DEOXYRIBONUCLEIC ACID SYNTHESIS

SERUM AND INSULIN INITIATION OF DNA SYNTHESIS IN MAMMARY GLAND EPITHELIUM IN VITRO. Hsueh HW, Stockdale FE *J Cell Physiol* 83:297-308, Apr 74 (Eng)

STIMULATION OF ENZYME SYNTHESIS AND INHIBITION OF DNA SYNTHESIS AND GROWTH RATE BY CYCLIC AMP DERIVATIVES IN CULTURED HEPATOMA CELLS. Wicks WD, Wijk R van, McKibbin JB *Adv Enzyme Regul* 11:117-35, 1973 (Eng)

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Coe EL *Biochim Biophys Acta* 329:183-95, 5 Dec 73 (Eng)

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[DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: DERMATOLOGY] Tronnier H *Int J Clin Pharmacol* 8:337-49, Dec 73 (Ger)

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### DEXTROSTIX

[DIAGNOSIS OF HYPOGLYCAEMIA IN NEW-BORN BABIES WITH DEXTROSTIX (AUTHORS TRANSL)] Rosegger H, Beitzke A *Paediatr Paedol* 9:104-8, 1974 (Ger)

[PROCEEDINGS: USE OF THE ENZYMATIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS] Marigo S, Del Nevo G, Bini PP *Quad Scavo Diagn* 9:95-102, Mar 73 (Ita)

### DIABETES

BETA CAROTENE METABOLISM IN DIABETES. Ramachandran K *Indian J Med Res* 61:1831-4, Dec 73 (Eng)

LETTER: RENAL DISEASE AND DIABETES. Salomon MI *Arch Intern Med* 133:868, May 74 (Eng)

LETTER: MYOCARDIAL INFARCTION AND DIABETES. Harrower AD, Clarke BF *Lancet* 1:749-50, 20 Apr 74 (Eng)

TWO MINUTES WITH DIABETES. Whitehouse FW *Med Times* 102:85-6, Apr 74 (Eng)

[COMBINATION OF DIABETES AND SCLERODERMA] Fourrier A, Mouton YJ, Montois R, Zylberberg C, Pommelet P, Vanhille P *Sem Hop Paris* 49:2853-6, 26 Oct 73 (Fre)

DIABETES BEFORE AND AFTER INSULIN. Allan FN *Med Hist* 16:266-73, Jul 72 (Eng)

DIABETES AND RENAL TRANSPLANTATION. A HYPOTHESIS. Kemp E, Kjaergaard E, Jensen IM, Svendsen EV *Scand J Urol Nephrol* 8:50-3, 1974 (Eng)

[CHANGES IN THE PEPTIDE MAPS AND OPTICAL ROTATORY DISPERSION OF SERUM ALBUMIN IN TUBERCULOSIS AND ITS COMBINATION WITH DIABETES] Vinokurova KA *Vopr Med Khim* 19:84-6, Jan-Feb 73 (Rus)

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnav H *Diabetes* 23:268-75, Apr 74 (Eng)

[DIABETES IN DENTISTRY] Barreiro Davina A *An Esp Odontostomatol* 33:59-68, Jan-Feb 74 (Spa)

[DIABETES AND PREGNANCY] Riet HG van, Kal J, Haspels AA *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]

[WERNERS SYNDROME. FAMILIAL UL-CEROUS SCLERODERMA WITH CATARACTS AND DIABETES] Vandaele R *Arch Belg Dermatol* 29:251-4, Jul-Sep 73 (Fre)

KK MICE AS A MODEL OF MICROANGIOPATHIC LESIONS IN DIABETES. Duhault J, Lebon F, Boulanger M *Bibl Anat* 11:453-8, 1973 (Eng)

ULTRASTRUCTURAL STUDY OF CONJUNCTIVAL CAPILLARIES AND BIOCHEMICAL STUDY OF CONJUNCTIVA IN THE COURSE OF HUMAN AND ANIMAL DIABETES. Regnault F, Kern P *Bibl Anat* 11:459-67, 1973 (Eng)

[INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)] Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL *Cah Med* 14:913-21, 30 Oct 73 (Fre)

[URINARY INFECTION IN DIABETES] Schrub JC, Courtois H, Prodhomme H *Cah Med* 14:923-7, 30 Oct 73 (Fre)

[WERNERS SYNDROME. FAMILIAL UL-CEROUS SCLERODERMA WITH CATARACT AND DIABETES] Vandaele R *Arch Belg Dermatol Syphiligr* 29:251-4, Jul-Sep 73 (Fre)

### DIABETES, ADJUSTED

[CLINICAL TESTS ON GLUCOPHAGE RETARD IN 50 OBESE ADULT PATIENTS WITH ADJUSTED DIABETES MELLITUS] Kopp H *Med Welt* 25:658-60, 12 Apr 74 (Ger)

### DIABETES CLINIC POPULATION

HOMEOSTASIS OF BODY WEIGHT IN A DIABETES CLINIC POPULATION. Goodner CJ, Ogilvie JT *Diabetes* 23:318-26, Apr 74 (Eng)

### DIABETES INSIPIDUS

GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS. Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

[DIAGNOSIS AND CURRENT TREATMENT OF DIABETES INSIPIDUS. APROPOS OF 10 CASES] Schaison G, Nathan C, Gilbert-Dreyfus S *Sem Hop Paris* 49:2825-31, 26 Oct 73 (Fre)

SYNDROME OF HYPERNATREMIA, HYPOTENSION AND PARTIAL DIABETES INSIPIDUS: A NEW INTERPRETATION. Sridhar CB, Calvert GD, Ibbertson HK *J Clin Endocrinol Metab* 38:890-901, May 74 (Eng)

### DIABETES, LONG TERM

LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS. Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)

### DIABETES MANAGEMENT

[MANAGEMENT OF DIABETES MELLITUS] Wechsler B *Nouv Presse Med* 3:531-4, 2 Mar 74 (Fre)

### DIABETES MELLITUS, VIRUS INDUCED

VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCARDITIS VIRUS. Hayashi K, Boucher DW, Notkins AL *Am J Pathol* 75:91-102, Apr 74 (Eng)

### DIABETES, SPONTANEOUS

CORRELATIONS OF SERUM TRIGLYCERIDE AND PREBETALIPOPROTEIN LEVELS TO

THE SEVERITY OF SPONTANEOUS DIABETES IN MACACA NIGRA. Howard CF Jr *J Clin Endocrinol Metab* 38:856-60, May 74 (Eng)

### DIABETES, STABLE

[LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLOROPAMIDE-METFORMIN] Schulte J, Garcia Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)

### DIABETIC

[DEATHS CAUSED BY CHRONIC PYELONEPHRITIS AND KIMMELSTIEL-WILSON SYNDROME AMONG DIABETICS] Torzecka W, Mrosczyk M, Jurga-Wanick K *WHO Tech Rep Ser* 27:405-9, 1 Mar 74 (Pol)

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

[LETTER: ULCERO-MUTILATING ACROPATHIES AND DIABETIC PERFORATING PLANTAR DISEASES] Schmidt C, Royer RJ *Nouv Presse Med* 3:528, 2 Mar 74 (Fre)

SENSIBLE EATING FOR OLDER DIABETICS. Hillman RW *Geriatrics* 29:123-6 PASSIM, May 74 (Eng)

SEXUAL DYSFUNCTION IN DIABETIC MEN. Kolodny RC, Kahn CB, Goldstein HH, Barnett DM *Diabetes* 23:306-9, Apr 74 (Eng)

EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS. Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)

[EXAMINATION OF ALVEOLAR BONE IN DIABETICS] Koray F *Istanbul Univ Dishekim Fak Derg* 7:287-326, Sep 73 (Tur)

[VALUE OF RECORDING THE ACHILLES TENDON REFLEX IN DIAGNOSIS OF DIABETIC POLYNEUROPATHIES] Markiewicz M, Markiewicz M *Pol Tyg Lek* 29:397-9, Mar 74 (Pol)

[CEREBRAL STROKES OCCURRING AMONG DIABETICS TREATED AT A DEPARTMENT OF INTERNAL MEDICINE] Szulc EJ *Wiad Lek* 27:695-9, Apr 74 (Pol)

### DIABETIC EDUCATION

PATIENT EDUCATION OF DIABETICS IN A RURAL FAMILY PRACTICE. Origer WJ *Nebr Med J* 59:105-7, Apr 74 (Eng)

### DIABETIC KETOACIDOSIS, SEVERE

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH INTRAVENOUS INSULIN] Fabricius-Bjerre N, Krabbe S, Lyngsoe J, Thomsen AC *Ugeskr Laeger* 136:188-92, 21 Jan 74 (Dan)

### DIABETIC PATIENT

[STUDIES ON THE EFFECT OF SULFAMETHOXYPIRAZINE (LONGUM) ON CARBOHYDRATE METABOLISM IN DIABETIC PATIENTS] Stotter G, Riederle K *Fortschr Med* 92:442-4, 11 Apr 74 (Ger)

MORTALITY OF DIABETIC PATIENTS TREATED SURGICALLY FOR LOWER LIMB INFECTION AND OR GANGRENE. Kahn O, Wagner W, Bessman AN *Diabetes* 23:287-92, Apr 74 (Eng)

**GASTRIC MUCORMYCOSIS IN A DIABETIC PATIENT.** Dannheimer IP, Fouche W, Nel C S *Afr Med J* 48:838-9, 20 Apr 74 (Eng)

**[RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST]** Vailati G, Cuttica F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)

**[HYPOGLYCEMIC EFFECT OF GLIPIZIDE. STUDY IN 20 DIABETIC PATIENTS WITH LOW PANCREATIC INSULIN RESERVE]** Laviada E, Camara M *Prensa Med Mex* 38:297-302, Jul-Aug 73 (Spa)

## DIABETIC PREGNANCY

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## DIABETIC RAT

**CAPILLARY RADIUS AND WALL THICKNESS IN NORMAL AND DIABETIC RAT RETINAE.** Sosula L *Microvasc Res* 7:274-6, Mar 74 (Eng)

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## DIABETIC TRACTION

**SUBRETINAL FLUID BUTYRYLCHOLINESTERASE. 2. REOPERATED RHEGMACTOGENOUS DETACHMENTS AND DIABETIC TRACTION DETACHMENTS.** Kaufman PL, Podos SM *Am J Ophthalmol* 77:19-24, Jan 74 (Eng)

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**[TOXICITY AND PHARMACOLOGICAL PROPERTIES OF ANTINEOPLASTIC ANTIBIOTIC 1719 FROM THE CLASS OF DIAZO COMPOUNDS]** Gol'dberg LE, Stepanova ES, Filippos'iants ST *Antibiotiki* 18:332-8, Apr 73 (Rus)

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## DIET

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**MODIFICATION OF BRAIN SEROTONIN BY THE DIET.** Ferstrom JD *Annu Rev Med* 25:1-8, 1974 (Eng)

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## N,N-DIMETHYLQUATERNARY AMMONIUM

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Barker JW, Dugan D, Fox J, Giardino E *Arch Int Pharmacodyn Ther* 207:28-43, Jan 74 (Eng)

## DIPEPTIDYLAMINOPEPTIDASE I

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## 1,3-DIPHOSPHOGLYCERIC ACID

**NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. EFFECT OF NICOTINAMIDE ADENINE DINUCLEOTIDE AND RELATED COMPOUNDS ON THE ENZYME-CATALYZED ARSENOLYSIS OF 1,3-DIPHOSPHOGLYCERIC ACID.** Duggleby RG, Dennis DT *J Biol Chem* 249:175-81, 10 Jan 74 (Eng)

## DISACCHARIDASE

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**CARBOHYDRATE METABOLISM IN LACTIC STREPTOCOCCI: FATE OF GALACTOSE SUPPLIED IN FREE OR DISACCHARIDE FORM.** Lee R, Molskness T, Sandine WE, El-liker PR *Appl Microbiol* 26:951-8, Dec 73 (Eng)

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**[THE SECONDARY DISEASE IN INTERNAL MEDICINE (ANTIBACTERIAL CHEMOTHERAPY)]** Hitznerberger G *Int J Clin Pharmacol* 8:282-91, Dec 73 (Ger)

**[DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: GERIATRICS]** Twrty E *Int J Clin Pharmacol* 8:315-25, Dec 73 (Ger)

**[DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: DERMATOLOGY]** Tronnier H *Int J Clin Pharmacol* 8:337-49, Dec 73 (Ger)

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## DISULFIDE BOND

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## DISULFIDE BOND

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**MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY.** Scheid CR, Macchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

**ONCOCYTES IN THE ANTERIOR LOBE OF THE HUMAN PITUITARY GLAND. A LIGHT AND ELECTRON MICROSCOPIC STUDY.** Kovacs K, Horvath E, Bilbao JM *Acta Neuropathol (Berl)* 27:43-53, 7 Feb 74 (Eng)

## ELECTROPHORESIS, AGAR GEL

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## ENZYME

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## ENZYME CONTROL

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## ENZYME, HEPATIC

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## ENZYME LIVER

ENZYMES OF GLUCOSE METABOLISM IN LIVER OF SUBJECTS WITH ADULT-ONSET DIABETES. Belfiore F, Romeo F, Napoli E, Lo Vecchio L *Diabetes* 23:293-301, Apr 74 (Eng)

## ENZYME REACTOR

MULTIPLE IMMOBILIZED ENZYME REACTORS: DETERMINATION OF PYRUVATE AND PHOSPHOENOLPYRUVATE CONCENTRATIONS USING IMMOBILIZED LACTATE DEHYDROGENASE AND PYRUVATE KINASE. Newirth TL, Diegelman MA, Pye EK, Kallen RG *Biotechnol Bioeng* 15:1089-100, Nov 73 (Eng)

## ENZYME STUDY

A STUDY OF SOME ENZYMES AND ISOENZYMES OF CARBOHYDRATE METABOLISM IN HUMAN ENDOMETRIUM DURING THE MENSTRUAL CYCLE. Spellman CM, Fottrell PF, Baynes S, O'Dwyer EM, Clinch JD *Clin Chim Acta* 48:259-68, 30 Oct 73 (Eng)

## ENZYME SYSTEM

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## ENZYME, URINARY

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## ERYTHROCYTE, RABBIT

Nadai-Frank A, Ceriotti G *Quad Sclavo Diagn* 9:419-41, Mar 73 (Ita)

## EPIDERMIS, RAT

LIPIDS BIOSYNTHESIS FROM ACETATE IN NORMAL RAT EPIDERMIS. Okido M, Sugihara I, Ono M *Jap J Dermatol [B]* 82:80-3, Sep 72 (Eng)

## EPINEPHRINE

INFLUENCE OF LITHIUM IONS ON EPINEPHRINE-STIMULATED ADENYLATE CYCLASE ACTIVITY IN CULTURED GLIAL TUMOR CELLS. Schimmer BP *Biochim Biophys Acta* 327:186-92, 15 Nov 73 (Eng)

## EPITHELIAL CELL

RESERPINE-INDUCED GLYCOGEN ACCUMULATION IN THE EPITHELIAL CELLS OF THE MOUSE CHOROID PLEXUS. Suzuki Y, Ito T *Brain Res* 70:113-22, 12 Apr 74 (Eng)

## EPITHELIUM

SERUM AND INSULIN INITIATION OF DNA SYNTHESIS IN MAMMARY GLAND EPITHELIUM IN VITRO. Hsueh HW, Stockdale FE *J Cell Physiol* 83:297-308, Apr 74 (Eng)

EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM. Omachi RS, Robbie DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)

## EPITHELIUM, RAT

EXTRACELLULAR SPACE IN THE EPITHELIUM OF RATS SMALL INTESTINE. Esposito G, Csaky TZ *Am J Physiol* 226:50-5, Jan 74 (Eng)

## EQUILIBRATION

[THE ACTIVATING ROLE OF ACTH IN THE MECHANISM OF EQUILIBRATION OF FUNCTIONS OF THE BODY] Simionescu S *Rev Roum Physiol* 10:467-9, 1973 (Fre)

## ERYTHROCYTE

[ECHINOCYTIC TRANSFORMATION OF NORMAL ERYTHROCYTES. CONTRIBUTION TO THE STUDY OF THE PATHOGENETIC MECHANISM] D'Aquino S, Ardizzone G *Minerva Med* 64:3781-9, 17 Oct 73 (Ita)

EFFECTS OF LEUCINE AND ISOLEUCINE ON NICOTINAMIDE NUCLEOTIDES OF ERYTHROCYTES. Belavady B, Rao PU, Khan L *Int J Vitam Nutr Res* 43:442-53, Apr 73 (Eng)

A COMPARATIVE STUDY OF PURINE METABOLISM BY HUMAN AND PIG ERYTHROCYTES IN VITRO. Dean BM, Simmonds HA, Cadenhead A *Biochem Pharmacol* 22:3189-98, 15 Dec 73 (Eng)

## ERYTHROCYTE, HUMAN

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## ERYTHROCYTE, RABBIT

ADENOSINE CYCLIC 3':5'-MONOPHOSPHATE-DEPENDENT PROTEIN KINASE FROM RABBIT ERYTHROCYTES. PURIFICATION AND CHARACTERIZATION OF MULTIPLE FORMS. Tao M, Hackett P *J Biol Chem* 248:5324-32, 10 Aug 73 (Eng)

## ESCHERICHIA COLI

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REGULATION OF MALTODextrIN PHOSPHORYLASE SYNTHESIS IN ESCHERICHIA COLI BY CYCLIC ADENOSINE 3, 5-MONOPHOSPHATE AND GLUCOSE. Chao J, Weathersbee CJ *J Bacteriol* 117:181-8, Jan 74 (Eng)

FINE CONTROL OF SUGAR UPTAKE BY ESCHERICHIA COLI. Kornberg HL *Symp Soc Exp Biol* 27:175-93, 1973 (Eng) [71]

THE REGULATION AND PROPERTIES OF THE GALACTOSE TRANSPORT SYSTEM IN ESCHERICHIA COLI K12. Wilson DB *J Biol Chem* 249:553-8, 25 Jan 74 (Eng)

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### ESOPHAGEAL SPHINCTER, LOWER

[GASTROINTESTINAL HORMONES AND LOWER ESOPHAGEAL SPHINCTER] Siewert R, Waldeck F, Peiper HJ *Chirurg* 45:28-33, Jan 74 (Ger)

[EFFECT OF POLYPEPTIDE HORMONES ON THE LOWER ESOPHAGEAL SPHINCTER IN ACHALASIA] Siewert R, Fruh E, Waldeck F, Schmidt H Z *Gastroenterol* 12:117-20, Mar 74 (Ger)

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### ESTROGEN EFFECT

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### ESTROGEN THERAPY

PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY. Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

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### EXERCISE INDUCED

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### FACIAL PARALYSIS

FACIAL PARALYSES. Gagnon NB, Fournier J *Can J Otolaryngol* 1:21-6, 1972 (Eng)

### FAILURE TO THRIVE

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### FASTED

1 CARBON 14-LABELED PALMITIC ACID METABOLISM IN FASTED, LACTATING GOATS FOLLOWING NICOTINIC ACID ADMINISTRATION. Waterman R, Schultz LH *J Dairy Sci* 56:1569-74, Dec 73 (Eng)

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### FAT CELL

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EFFECTS OF ADRENOCROME AND SODIUM PERBORATE ON ISOLATED FAT CELL METABOLISM. Wieser PB, Fain JN *Biochem Pharmacol* 22:3209-16, 15 Dec 73 (Eng)

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### FAT, DIETARY

[EFFECT OF THE BRAND OF DIETARY FAT ON RATS LIVER. V. ALKALINE PHOSPHATASE IN SERUM AND THE LIVER] Opuszynska T *Rocz Panstw Zakl Hig* 24:597-603, 1973 (Pol)

EFFECT OF THYROID HORMONES AND DIETARY FAT ON THE INTERRELATION OF LIPID AND CARBOHYDRATE METABOLISM IN RATS. Felt V *Endocrinol Exp (Bratisl)* 7:283-91, 1973 (Eng)

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[INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM] Verlohren HJ, Lohmann D, Bruckner U, Pohl A, Bemm H Dtsch Z Verdau Stoffwechselkr 33:89-95, 1973 (Ger)

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**FATAL STROKE**

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REGULATION OF FATTY ACID UTILIZATION IN ISOLATED PERFUSED RAT HEARTS. Oram JF, Bennet SL, Neely JR J Biol Chem 248:5299-309, 10 Aug 73 (Eng)

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GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS. Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL J Anim Sci 37:1419-27, Dec 73 (Eng)

[LIPID AND FATTY ACID COMPOSITION OF NERVOUS TISSUE PHOSPHOLIPIDS OF SQUID, LOBSTER, DOGFISH AND COD] Noren R, Svennerholm L Zh Evol Biokhim Fiziol 9:225-34, May-Jun 73 (Rus)

**FATTY ACID, FREE**

THE REGULATION OF FATTY ACID SYNTHESIS IN HUMAN SKIN FIBROBLASTS. INHIBITION OF FATTY ACID SYNTHESIS BY FREE FATTY ACIDS. Jacobs RA, Majerus PW J Biol Chem 248:8392-401, 25 Dec 73 (Eng)

[SIGNIFICANCE OF FREE FATTY ACIDS IN MYOCARDIAL INFARCT] Bucher HW Dtsch Med Wochenschr 99:16 PASSIM, 4 Jan 74 (Ger)

[STUDY OF PLASMA LEVELS OF FREE FATTY ACIDS AND LIPOPROTEIN LIPASE ACTIVITY IN PATIENTS WITH NEPHROTIC SYNDROME CAUSED BY INTRINSIC RENAL DISEASE] Faria CV de, Diamant J, Giannini SD Rev Hosp Clin Fac Med Sao Paulo 28:305-9, Nov-Dec 73 (Por)

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THE EFFECT OF THYMECTOMY ON THE FATTY ACID CONCENTRATION OF

PLASMA, LIVER AND FAT PADS. Nardell BE J Baltimore Coll Dent Surg 28:18-34, Jul 73 (Eng)

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THE REGULATION OF FATTY ACID SYNTHESIS IN HUMAN SKIN FIBROBLASTS. INHIBITION OF FATTY ACID SYNTHESIS BY FREE FATTY ACIDS. Jacobs RA, Majerus PW J Biol Chem 248:8392-401, 25 Dec 73 (Eng)

INHIBITION OF FATTY ACID SYNTHESIS BY THE ANTIBIOTIC CERULENIN. SPECIFIC INACTIVATION OF BETA-KETOACYL-CARRIER PROTEIN SYNTHETASE. D'Agnolo G, Rosenfeld IS, Awaya J, Omura S, Vagelos PR Biochim Biophys Acta 326:155-6, 29 Nov 73 (Eng)

CHANGES IN HEPATIC FATTY ACID SYNTHESIS FOLLOWING GLUCAGON INJECTIONS IN VIVO. Klain GJ, Weiser PC Biochem Biophys Res Commun 55:76-83, 1 Nov 73 (Eng)

**FATTY ACID SYNTHETASE**

REGULATION OF MAMMALIAN FATTY-ACID SYNTHETASE. THE ROLES OF CARBOHYDRATE AND INSULIN. Volpe JJ, Vagelos PR Proc Natl Acad Sci USA 71:889-93, Mar 74 (Eng)

**FATTY ACID, UNSATURATED**

UNSATURATED FATTY ACIDS AS REACTIVATORS OF THE CALCIUM-DEPENDENT ATPASE OF DELIPIDATED SARCOPLASMIC MEMBRANES. The R, Hasselbach W Eur J Biochem 39:63-8, 1 Nov 73 (Eng)

THE OXIDATIVE DESATURATION OF UNSATURATED FATTY ACIDS IN ANIMALS. Brenner RR Mol Cell Biochem 3:41-52, 8 Mar 74 (Eng)

**FATTY ACID, VOLATILE**

DEVELOPMENTAL ASPECTS OF GLUCOSE AND VFA METABOLISM IN THE GERM-FREE AND CONVENTIONAL RUMINANT. Ponto KH, Bergen WG J Anim Sci 38:893-9, Apr 74 (Eng)

**FATTY ACYL CHAIN**

AN EFFICIENT BIOSYNTHETIC METHOD TO PREPARE FATTY ACYL CHAINS HIGHLY ENRICHED WITH <sup>13</sup>C. Cronan JE Jr, Batchelor JG Chem Phys Lipids 11:196-202, Oct 73 (Eng)

**FECAL EXCRETION**

URINARY AND FECAL EXCRETION AND INCORPORATION OF <sup>14</sup>C-ESTRADIOL IN FAT DEPOTS OF OBESE AND LEAN RATS. Innami S, Yang MG, Mikkelsen O Proc Soc Exp Biol Med 144:220-4, 1 Oct 73 (Eng)

**FEEDING**

ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY. Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr Surg Gynecol Obstet 138:875-84, Jun 74 (Eng)

**FEEDING EFFECT**

SOME EFFECTS OF FEEDING YOUNG STEERS ON A DIET DEFICIENT IN BOTH COBALT AND COPPER. MacPherson A, Moon FE, Voss RC Br Vet J 129:414-26, Sep-Oct 73 (Eng)

**FEEDING RESPONSE**

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**FETUS, RAT**

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FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS. Girard JR, Kervran A, Soufflet E, Assan R Diabetes 23:310-7, Apr 74 (Eng)

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FIBRINOAGGULOPATHY IN MATURITY ONSET DIABETES MELLITUS AND ATHEROSCLEROSIS. Banerjee RN, Sahni AL, Kumar V Thromb Diath Haemorrh 30:123-32, 15 Sep 73 (Eng)

**FIBRINOLYTIC ACTIVITY**

LETTER: FIBRINOLYTIC ACTIVITY AND DEEP-VEIN THROMBOSIS. Giles AR Lancet 1:803, 27 Apr 74 (Eng)

LETTER: FIBRINOLYTIC ACTIVITY AND POSTOPERATIVE DEEP-VEIN THROMBOSIS. Chakrabarti R Lancet 1:868, 4 May 74 (Eng)

**FIBROBLAST**

THE REGULATION OF FATTY ACID SYNTHESIS IN HUMAN SKIN FIBROBLASTS. INHIBITION OF FATTY ACID SYNTHESIS BY FREE FATTY ACIDS. Jacobs RA, Majerus PW J Biol Chem 248:8392-401, 25 Dec 73 (Eng)

CONCOMITANT EFFECTS OF INSULIN ON SURFACE MEMBRANE CONFORMATION AND POLYSOME PROFILES OF SERUM-STARVED BALB-C 3T3 FIBROBLASTS. Evans RB, Morhenn V, Jones AL, Tomkins GM J Cell Biol 61:95-106, Apr 74 (Eng)

**FICIN**

ON THE SPECIFICITY AND PH DEPENDENCE OF FICIN-CATALYZED HYDROLYSES. SOME COMPARISONS WITH BROMELAIN SPECIFICITY. Kortt AA, Hinds JA, Zerner B Biochemistry 13:2029-37, 7 May 74 (Eng)

**FILTRATION**

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## Diabetes Literature—Keyword Index

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#### FLOW RATE

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#### FLUID

**SERUM ELECTROLYTE, FLUID AND ACID-BASE BALANCE AFTER PROLONGED HEAVY EXERCISE AT LOW ENVIRONMENTAL TEMPERATURE.** Refsum HE, Tveit B, Meen HD, Stromme SB *Scand J Clin Lab Invest* 32:117-22, Oct 73 (Eng)

#### FLUMETHASONE

**INTRA-ARTICULAR INJECTION OF FLUMETHASONE SUSPENSION IN NORMAL JOINTS OF HORSES.** Van Pelt RW *Equine Vet J* 5:162-70, Oct 73 (Eng)

#### FLUORIDE ACTIVATION

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**A COMPARATIVE STUDY ON THE EFFECT OF FLUORIDE, LAURYL SULPHATE AND CHLORHEXIDINE ON GLUCOSE UTILIZATION IN RAT INTESTINAL MUCOSAL CELLS.** Olsen I, Sogner E *Acta Pharmacol Toxicol (Kbh)* 33:348-52, 1973 (Eng)

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#### FOOD COMPOSITION

**[INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM]** Verlohen HJ, Lohmann D, Bruckner U, Pohl A, Bemm H *Dtsch Z Verdau Stoffwechselk* 33:89-95, 1973 (Ger)

#### FOOD DEPRIVATION EFFECT

**EFFECTS OF FOOD DEPRIVATION, DISCRIMINATION EXPERIENCE AND PHYSOSTIGMINE ON CHOLINE ACETYLASE AND ACETYLCHOLINE ESTERASE IN THE DORSAL HIPPOCAMPUS AND FRONTAL CORTEX OF RATS.** Izquierdo JA, Baratti CM, Torrelío M, Arevalo L, McGaugh JL *Psychopharmacologia* 33:103-10, 23 Oct 73 (Eng)

#### FOOT FORCE

**FORCE DISTRIBUTIONS UNDER THE FOOT—A DYNAMIC MEASURING SYSTEM.** Stokes IA, Stott JR, Hutton WC *Biomed Eng* 9:140-3, Apr 74 (Eng)

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#### FORMALDEHYDE TREATED

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Faichney GH, Scott TW, Cook LJ *Aust J Biol Sci* 26:1179-88, Oct 73 (Eng)

#### FRAMINGHAM STUDY

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#### FREE FATTY ACID, PLASMA

**INFLUENCE OF EXOGENOUS GROWTH HORMONE AND ITS ANTISERUM ON PLASMA FREE FATTY ACID LEVEL IN THE PIGEON.** John TM, McKeown BA, George JC *Comp Biochem Physiol [A]* 46:497-504, 1 Nov 73 (Eng)

**EFFECTS OF ALTERNATIONS OF PLASMA FREE FATTY ACID LEVELS ON PANCREATIC GLUCAGON SECRETION IN MAN.** Gerich JE, Langlois M, Schneider V, Karam JH, Noacco C *J Clin Invest* 53:1284-9, May 74 (Eng)

#### FREQUENCY

**[MEDULLARY CARCINOMA OF THE THYROID GLAND. MORPHOLOGY, FREQUENCY, AND CLINICAL ASPECTS]** Jaques C *Schweiz Med Wochenschr* 104:565-70, 20 Apr 74 (Fre)

#### FRONTAL CORTEX, RAT

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#### FRUCTOSE

**A MODIFICATION OF THE ROE PROCEDURE FOR DETERMINATION OF FRUCTOSE IN TISSUES WITH INCREASED SPECIFICITY.** Foreman D, Gaylor L, Evans E, Trella C *Anal Biochem* 56:584-90, Dec 73 (Eng)

**[UTILIZATION OF ALIMENTARY CARBOHYDRATES IN THE FATTENING CALF. 2. LACTOSE, SACCHAROSE, FRUCTOSE]** Gropp J *Z Tierphysiol* 32:144-63, Nov 73 (Ger)

**FRUCTOSE POTENTIATION OF MANNOSE-INDUCED INSULIN SECRETION.** Curry DL *Am J Physiol* 226:1073-6, May 74 (Eng)

#### FRUCTOSE 1,6-DIPHOSPHATE

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#### D-FRUCTOSE CATABOLISM

**TRANSPORT AND CATABOLISM OF D-FRUCTOSE BY SPIRILLUM INTERMEDIUM.** Hylemon PB, Krieg NR, Phibbs PV Jr *J Bacteriol* 117:144-50, Jan 74 (Eng)

#### FRUCTOSE FEEDING

**THE EFFECT OF MATERNAL MALNUTRITION ON THE PROGENY IN THE RAT. STUDIES IN VITRO OF ADIPOSE TISSUE LIPOGENESIS AND LIPOPROTEIN LIPASE ACTIVITY FOLLOWING FRUCTOSE FEEDING.** McLeod KI, Nestel PJ, Goldrick RB *Aust J Exp Biol Med Sci* 51:811-24, Dec 73 (Eng)

#### FRUCTOSE METABOLISM

**ACTIONS OF MORPHINE ON PROSTATE GLAND FRUCTOSE METABOLISM.** Dom-

brosky JT, Thomas JA, Mawhinney MG, Lloyd JW *Life Sci* 13:795-804, 1 Oct 73 (Eng)

#### FRUCTOSE-1,6-DIPHOSPHATASE

**REGULATION IN THE CHEMOLITHOTROPH THIOBACILLUS NEAPOLITANUS: FRUCTOSE-1,6-DIPHOSPHATASE.** Johnson EJ, MacElroy RD *Arch Mikrobiol* 93:23-8, 4 Oct 73 (Eng)

#### FUNCTION TEST

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#### FUROSEMIDE

**[EFFECT OF SINGLE ADMINISTRATION OF FUROSEMIDE IN PATIENTS WITH CHRONIC LIVER DISEASE]** Dzurikova V, Brixova E, Niederland TR *Bratisl Lek Listy* 61:336-43, Mar 74 (Slo)

#### GALACTOSE

**CARBOHYDRATE METABOLISM IN LACTIC STREPTOCOCCI: FATE OF GALACTOSE SUPPLIED IN FREE OR DISACCHARIDE FORM.** Lee R, Molskness T, Sandine WE, El-liker PR *Appl Microbiol* 26:951-8, Dec 73 (Eng)

#### D-GALACTOSE

**INTESTINAL ABSORPTION OF D-GLUCOSE AND D-GALACTOSE IN RATS INFECTED WITH NEMATOSPIROIDES DUBIUS.** Scofield AM *Comp Biochem Physiol [A]* 47:219-31, Jan 74 (Eng)

#### GALACTOSE TOLERANCE TEST

**[DIAGNOSTIC VALIDITY OF THE INTRAVENOUS GALACTOSE TOLERANCE TEST IN LIVER CIRRHOSIS (AUTHORS' TRANSL.)]** Bohmer R, Rommel K *Acta Hepatogastroenterol (Stuttg)* 19:344-56, Sep-Oct 72 (Ger)

#### GALACTOSYLTRANSFERASE

**STUDIES ON THE URIDINE DIPHOSPHATE-GALACTOSE: LIPOPOLYSACCHARIDE GALACTOSYLTRANSFERASE REACTION USING A FATTY ACID MUTANT OF ESCHERICHIA COLI.** Beacham IR, Silbert DF *J Biol Chem* 248:5310-8, 10 Aug 73 (Eng)

#### GANGRENE

**MORTALITY OF DIABETIC PATIENTS TREATED SURGICALLY FOR LOWER LIMB INFECTION AND OR GANGRENE.** Kahn O, Wagner W, Bessman AN *Diabetes* 23:287-92, Apr 74 (Eng)

**GANGRENE OF THE HAND IN A NEWBORN CHILD.** Hoffman S, Valderama E, Gribetz I, Strauss L *Hand* 6:70-3, Feb 74 (Eng)

#### GANGRENE, DIABETIC

**[DIABETIC GANGRENE (REVIEW OF THE LITERATURE)]** Kuleshov EV, Kuleshova Iu *Khirurgiya (Mosk)* 49:125-9, Apr 73 (Rus) [93]

**[TRACE ELEMENTS AND BLOOD COAGULATION IN DIABETIC GANGRENE]** Kuleshov EV, Kuleshova Iu *Klin Med (Mosk)* 51:115-21, Nov 73 (Rus)

#### GAS CHROMATOGRAPHY

**POLYPEPTIDE SEQUENCING: USE OF DIPEPTIDYLAMINOPEPTIDASE I AND GAS CHROMATOGRAPHY-MASS SPECTROMETRY.** Caprioli RM, Seifert WE Jr, Sutherland DE *Biochem Biophys Res Commun* 55:67-75, 1 Nov 73 (Eng)

## GASTRIC EMPTYING

RELATIONSHIP BETWEEN INTRADUODENAL LIPOLYSIS AND GASTRIC EMPTYING. Bustos Fernandez L, Gonzalez E, Marzi A *Acta Gastroenterol Latinoam* 5:57-60, Apr-Jun 73 (Eng)

## GASTRIC SECRETION

STUDIES OF GASTROINTESTINAL INTERACTIONS. V. GASTRIC SECRETION AND DUODENAL REFLUX IN MAN AFTER A COMPOSITE MEAL. THE INFLUENCE OF GLUCOSE ON GASTRIC SECRETION, EMPTYING AND GASTRIC VOLUME. Lagerlof HO, Johansson C, Ekelund K *Scand J Gastroenterol* 8:735-42, 1973 (Eng)

## GASTRIC VAGOTOMY

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EFFECT OF SELECTIVE AND PROXIMAL GASTRIC VAGOTOMY ON SERUM GASTRIN. Jaffe BM, Clendinnen BG, Clarke RJ, Williams JA *Gastroenterology* 66:944-53, May 74 (Eng)

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## GASTRIN EFFECT

[THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL)] Pointner H, Flegel U, Waldhauss W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)

## GASTRIN RESPONSE

PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

## GASTRIN, SERUM

EFFECT OF SELECTIVE AND PROXIMAL GASTRIC VAGOTOMY ON SERUM GASTRIN. Jaffe BM, Clendinnen BG, Clarke RJ, Williams JA *Gastroenterology* 66:944-53, May 74 (Eng)

## GASTRINOMA

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## GASTROINTESTINAL HORMONE

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## GASTROINTESTINAL INTERACTION

STUDIES OF GASTROINTESTINAL INTERACTIONS. V. GASTRIC SECRETION AND DUODENAL REFLUX IN MAN AFTER A COMPOSITE MEAL. THE INFLUENCE OF GLUCOSE ON GASTRIC SECRETION, EMPTYING AND GASTRIC VOLUME. Lagerlof HO, Johansson C, Ekelund K *Scand J Gastroenterol* 8:735-42, 1973 (Eng)

## GENERAL PRACTITIONER

[THE GENERAL PRACTITIONERS LABORATORY WORK] Bitzen PO *Nord Med* 89:113-5, Apr 74 (Swe)

## GENETICALLY OBESE MOUSE

[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN] Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

## GENOTYPE EFFECT

EFFECTS OF GENOTYPE, SUGAR, AND CONCENTRATION ON SUGAR PREFERENCE OF LABORATORY MICE (*MUS MUSCULUS*). Stockton MD, Whitney G *J Comp Physiol Psychol* 86:62-8, Jan 74 (Eng)

## GERIATRICS

[DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: GERIATRICS] Twrady E *Int J Clin Pharmacol* 8:315-25, Dec 73 (Ger)

## GESTATION, FIFTEEN WEEKS

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## GHOST

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## GINGIVA, DOG

[ACTIVITY OF SOME ENZYMES IN THE GINGIVA OF DOGS WITH ALLOXAN DIABETES] Inozhe B, Anserob EM *Stomatologiya (Sofiya)* 55:7-11, Jan-Feb 73 (Bul)

## GLAUCOMA

NEOVASCULAR GLAUCOMA: CURRENT CONCEPTS. Hoskins HD Jr *Trans Am Acad Ophthalmol Otolaryngol* 78:OP330-3, Mar-Apr 74 (Eng)

CRYOTHERAPY IN NEOVASCULAR GLAUCOMA. Boniuk M *Trans Am Acad Ophthalmol Otolaryngol* 78:OP337-43, Mar-Apr 74 (Eng)

[CHANGE IN THE MUCOPOLYSACCHARIDE CONTENT IN THE TISSUES OF THE OCULAR DRAINAGE SYSTEM IN PRIMARY GLAUCOMA AND ITS ROLE IN THE DEVELOPMENT OF THE GLAUCOMATOUS PROCESS (A HISTOCHEMICAL STUDY)] Kashintseva LT, Plevinskis VP *Oftalmol Zh* 28:57-62, Jan 73 (Rus)

## GLAUCOMATOUS PROCESS

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## GLIAL TUMOR CELL, CULTURED

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## GLIPIZIDE

[HYPOGLYCEMIC EFFECT OF GLIPIZIDE. STUDY IN 20 DIABETIC PATIENTS WITH LOW PANCREATIC INSULIN RESERVE] Laviada E, Camara M *Prensa Med Mex* 38:297-302, Jul-Aug 73 (Spa)

## GLUCAGON

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

PROCEEDINGS: THE INFLUENCE OF GLUCAGON ON REGIONAL BLOOD FLOW IN THE RHESUS MONKEY. Branch RA, Nies AS, Shand DG *Br J Pharmacol* 49:149P, Sep 73 (Eng)

CHANGES IN HEPATIC FATTY ACID SYNTHESIS FOLLOWING GLUCAGON INJECTIONS IN VIVO. Klain GJ, Weiser PC *Biochem Biophys Res Commun* 55:76-83, 1 Nov 73 (Eng)

FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS. Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL)] Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena)* 46:15-24, 1973 (Ger)

[EXPERIENCE WITH USING GLUCAGON IN ACUTE MYOCARDIAL INFARCT] Golikov AP, Berestov AA, Abdrakhmanov VR, Bobkov AI *Kardiologiya* 14:37-42, Feb 74 (Rus)

GLUCAGON AND THE INSULIN: GLUCAGON RATIO IN SEVERE TRAUMA. Lindsey CA, Faloona GR, Unger RH *Trans Assoc Am Physicians* 86:264-71, 1973 (Eng)

THE USE OF GLUCAGON DURING UPPER GASTROINTESTINAL ENDOSCOPY. Hradsky M, Stockbrugger R, Dotevall G, Ostberg H *Gastrointest Endosc* 20:162, May 74 (Eng)

EFFECT OF CLOFIBRATE ON ARGININE-STIMULATED GLUCAGON AND INSULIN SECRETION IN MAN. Eaton RP, Schade DS *Metabolism* 23:445-54, May 74 (Eng)

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION. Kaneto A, Kajunuma H, Hayashi M, Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

CHANGES IN ADENOSINE 3,5-MONOPHOSPHATE LEVEL AND PROTEIN KINASE ACTIVITY BY GLUCAGON IN RAT LIVER NUCLEI. Higashino H, Takeda M *J Biochem (Tokyo)* 75:189-91, Jan 74 (Eng)

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppinger K *J Pediatr* 84:821-4, Jun 74 (Eng)

## GLUCAGON EFFECT

EFFECTS OF GLUCAGON ON ACTIVITIES OF HEPATIC ENZYMES IN SHEEP. Brockman RP, Manns JG *Cornell Vet* 64:217-24, Apr 74 (Eng)

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## GLUCAGON, PLASMA

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ADRENERGIC MODULATION OF PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Noacco C, Schneider V, Forsham PH *J Clin Invest* 53:1441-6, May 74 (Eng)

## GLUCAGON, PLASMA

DEVELOPMENT AND APPLICATION OF A RADIOIMMUNOASSAY FOR PLASMA GLUCAGON. Sperling MA, DeLamater PV, Kazenelson M, Fiser RH, Fisher DA *Clin Chem* 20:566-70, May 74 (Eng)

## GLUCAGON RELEASE

THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF. Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

## GLUCAGON RESPONSE

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

## GLUCAGON SECRETION

CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS. Gerich JE, Frankel BJ, Fanska R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

## GLUCOAMYLASE

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## GLUCOCORTICOID

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PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOIDES IN SUBHUMAN PRIMATES. Like AA, Chick WL *Am J Pathol* 75:329-48, May 74 (Eng)

## GLUCOKINASE

ISOLATION AND CHARACTERIZATION OF A THERMOPHILIC GLUCOKINASE FROM *BACILLUS STEAROTHERMOPHILUS*. Hengartner H, Zuber H *Fests Lett* 37:212-6, 1 Dec 73 (Eng)

## GLUCOLYTIC ENZYME

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## GLUCONEOGENESIS

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## GLUCOPHAGE

[CLINICAL TESTS ON GLUCOPHAGE RETARD IN 50 OBESE ADULT PATIENTS WITH ADJUSTED DIABETES MELLITUS] Kopp H *Med Welt* 25:658-60, 12 Apr 74 (Ger)

## GLUCOPRIVATION

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HYPERGLYCEMIC OR FEEDING RESPONSE TO GLUCOPRIVATION AND HYPOTHALAMIC GLUCORECEPTORS. Muller EE, Pecile A, Cocchi D, Oliati VR *Am J Physiol* 226:1100-9, May 74 (Eng)

## GLUCOSE

REGULATION OF MALTODEXTRIN PHOSPHORYLASE SYNTHESIS IN *ESCHERICHIA COLI* BY CYCLIC ADENOSINE 3, 5-MONOPHOSPHATE AND GLUCOSE. Chao J, Weathersbee CJ *J Bacteriol* 117:181-8, Jan 74 (Eng)

DETERMINATION OF GLUCOSE WITH A RESEARCH MODEL AMINCO ROTOCHEM BY THE HEXOKINASE REACTION. Hasson W, Penton JR, Widdowson GM *Clin Chem* 20:15-8, 1974 (Eng)

INFLUENCE OF FLOW RATE ON THE KINETICS OF THE INTESTINAL ABSORPTION OF GLUCOSE AND LYSINE IN CHILDREN. Rey F, Drillet F, Schmitz J, Rey J *Gastroenterology* 66:79-85, Jan 74 (Eng)

[A MICROMETHOD FOR THE DETERMINATION OF LACTATE, PYRUVATE AND GLUCOSE FROM 0.1 ML OF BLOOD] Pannier R, Klimt F *Z Med Labortech* 14:285-94, 1973 (Ger)

STUDIES OF GASTROINTESTINAL INTERACTIONS. V. GASTRIC SECRETION AND DUODENAL REFLUX IN MAN AFTER A COMPOSITE MEAL. THE INFLUENCE OF GLUCOSE ON GASTRIC SECRETION, EMPTYING AND GASTRIC VOLUME. Lagerlof HO, Johansson C, Ekelund K *Scand J Gastroenterol* 8:735-42, 1973 (Eng)

GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY. Gaspard U, Sandront H, Luyckx A *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)

INHIBITION BY HALOTHANE OF GLUCOSE-STIMULATED INSULIN SECRETION IN ISOLATED PIECES OF RAT PANCREAS. Gingerich R, Wright PH, Paradise RR *Anesthesiology* 40:449-52, May 74 (Eng)

DEVELOPMENTAL ASPECTS OF GLUCOSE AND VFA METABOLISM IN THE GERM-FREE AND CONVENTIONAL RUMINANT. Ponto KH, Bergen WG *J Anim Sci* 38:893-9, Apr 74 (Eng)

LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY. Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)

ACUTE SUPPRESSION OF INSULIN AND GLUCOSE LEVELS BY SYNTHETIC SOMATOSTATIN IN NORMAL HUMAN SUBJECTS. DeVane GW, Siler TM, Yen SS *J Clin Endocrinol Metab* 38:913-5, May 74 (Eng)

[THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL)] Pointner H, Flegel U, Waldhausl W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)

[EFFECTS OF REPEATED ADMINISTRATION OF INTRAVENOUSLY INJECTED GLUCOSE ON BLOOD INSULIN AND TRIGLYCERIDES IN A GROUP OF EUCRINE OLD PERSONS] Cucinotta D, Ferretti G, Marchini L, Monica C, Passeri M *G Clin Med* 54:579-97, Sep 73 (Ita)

EVALUATION OF THE ADAPTATION OF THE GLUCOSE OXIDASE-PEROXIDASE-3-METHYL-2-BENZOTHAZOLINONE HYDRAZONE-N,N-DIMETHYLANILINE PROCEDURE TO THE TECHNICON SMA 12-60, AND COMPARISON WITH OTHER AUTOMATED METHODS FOR GLUCOSE. Carey RN, Feldbruegge D, Westgard JO *Clin Chem* 20:595-602, May 74 (Eng)

## 14C-GLUCOSE

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## D-GLUCOSE

INTESTINAL ABSORPTION OF D-GLUCOSE AND D-GALACTOSE IN RATS INFECTED WITH NEMATOSPIROIDES DUBIUS. Scofield AM *Comp Biochem Physiol [A]* 47:219-31, Jan 74 (Eng)

## GLUCOSE, BLOOD

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SEX-LINKED BLOOD-GLUCOSE PATTERN IN RATS UNDER VARYING TEST CONDITIONS. Hebold G, Bleuel H *Horm Metab Res* 5:361-8, Sep 73 (Eng)

CHANGES IN BLOOD GLUCOSE LEVEL INDUCED BY SODIUM DODECYLBENZENE SULFONATE (SDBS) IN RATS. Antal M *Z Ernahrungswiss* 12:144-51, Jun 73 (Eng)

[BLOOD GLUCOSE AND PLASMA INSULIN IN TRAUMATISED RABBITS. AN EXPERIMENTAL STUDY] Koch G *Bruns Beitr Klin Chir* 221:158-63, Mar 74 (Ger)

## GLUCOSE CHANGE

CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN. Spelly WN, Buih WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

## GLUCOSE CONCENTRATION

EFFECTS OF INCREASING GLUCOSE CONCENTRATIONS ON THE GLUCOSE METABOLISM IN ARTERIAL TISSUE AND INTESTINAL SMOOTH MUSCLE. Arnqvist HJ *Acta Physiol Scand* 88:481-90, Aug 73 (Eng)

## GLUCOSE CONSUMPTION

[OXYGEN AND GLUCOSE CONSUMPTION BY AORTIC TISSUE DURING DIETARY ADMINISTRATION OF CHOLESTEROL AND NERVOUS SYSTEM STRESS] Khomulo PS, Mytareva LV, Zakirnichnaia GA *Kardiologia* 13:116-20, Jan 73 (Rus)

## GLUCOSE DETERMINATION

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## GLUCOSE EFFECT

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### GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE

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OBSERVATIONS DURING TREATMENT OF ACUTE PANCREATITIS WITH INSULIN AND GLUCOSE INFUSION. Hallberg D, Theve NO *Acta Chir Scand* 140:138-42, 1974 (Eng)

#### GLUCOSE INTOLERANCE

GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS. Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

LETTER: GLUCOSE INTOLERANCE AND PERIPHERAL GLUCOSE UPTAKE IN ACUTELY INTOXICATED ALCOHOLICS. Eriksson CE, Hed R, Lindblad LE, Nygren A, Sundblad L *Lancet* 1:811-2, 27 Apr 74 (Eng)

STUDIES OF GLUCOSE INTOLERANCE IN SEPTIC INJURED PATIENTS. Gump FE, Long C, Killian P, Kinney JM *J Trauma* 14:378-88, May 74 (Eng)

#### GLUCOSE METABOLISM

THE METABOLISM OF THE SMALL INTESTINE: DIETARY INDUCTION, SUBCELLULAR DISTRIBUTION AND ISOENZYME PATTERN OF SOME KEY ENZYMES OF GLUCOSE METABOLISM IN OVINE JEJUNAL MUCOSA. Wahle KW *Comp Biochem Physiol* [B] 46:727-39, Dec 73 (Eng)

EFFECTS OF INCREASING GLUCOSE CONCENTRATIONS ON THE GLUCOSE METABOLISM IN ARTERIAL TISSUE AND INTESTINAL SMOOTH MUSCLE. Arnqvist HJ *Acta Physiol Scand* 88:481-90, Aug 73 (Eng)

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[CHANGES IN GLUCOSE METABOLISM IN LIVER CIRRHOSIS] Rodriguez Lopez E, Rojas L, Landa L *Rev Gastroenterol Mex* 37:89-95, Mar-Apr 72 (Spa)

#### GLUCOSE METABOLISM ENZYME

ENZYMES OF GLUCOSE METABOLISM IN LIVER OF SUBJECTS WITH ADULT-ONSET DIABETES. Belfiore F, Romeo F, Napoli E, Lo Vecchio L *Diabetes* 23:293-301, Apr 74 (Eng)

#### GLUCOSE OXIDASE

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#### GLUCOSE OXIDATION

STIMULATION OF TSH RELEASE AND GLUCOSE OXIDATION IN PITUITARIES FROM THYROIDECTOMIZED RATS BY THYROTROPIN-RELEASING FACTOR (TRF). Dubovsky EV, Besch RJ, Pittman JA, Lindsay RH *Ala J Med Sci* 10:270-7, Jul 73 (Eng)

#### GLUCOSE PHOSPHORYLATION

EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brolin S *Biochem Biophys Res Commun* 56:1045-51, 27 Feb 74 (Eng)

#### GLUCOSE, PLASMA

FLUCTUATIONS OF PLASMA GLUCOSE AND INSULIN IN CONSCIOUS DOGS RECEIVING GLUCOSE INFUSIONS. Ookhtens M, Marsh DJ, Smith SW, Bergman RN, Yates FE *Am J Physiol* 226:910-9, Apr 74 (Eng)

EFFECTS OF INSULIN AND 2-DEOXY-D-GLUCOSE ON PLASMA GLUCOSE LEVEL AND LATERAL HYPOTHALAMIC EATING THRESHOLD IN THE RAT. Berthoud HR, Baettig K *Physiol Behav* 12:547-56, Apr 74 (Eng)

#### GLUCOSE REPRESSION

EFFECT OF CYCLIC AMP, THEOPHYLLINE AND CAFFEINE ON THE GLUCOSE REPRESSION OF SPORULATION IN SACCHAROMYCES CEREVISIAE. Tsuboi M, Yanagishima N *Arch Mikrobiol* 93:1-12, 4 Oct 73 (Eng)

#### GLUCOSE, SERUM

LETTER: IMPROVED TECHNIQUE FOR SERUM GLUCOSE ASSAY ON AUTOMATIZED. Lott JA, Mercier JE, Durham BW *Clin Chem* 20:94-5, 1974 (Eng)

#### GLUCOSE TOLERANCE, INTRAVENOUS

THE EFFECT OF PREGNANCY ON INTRAVENOUS GLUCOSE TOLERANCE. Fisher PM, Hamilton PM, Sutherland HW, Stowers JM *J Obstet Gynaecol Br Commonw* 81:285-90, Apr 74 (Eng)

#### GLUCOSE TOLERANCE TEST

[LETTER: GLUCOSE TOLERANCE TEST IN THE PUERPERIUM] Beck L *Z Geburtshilfe Perinatol* 177:453-4, Dec 73 (Ger)

VARIATIONS IN THE LEVEL OF HUMAN SERUM ALBUMIN DURING GLUCOSE TOLERANCE TEST. Awdeh ZL, Islam MR, Samra SA *Biochem Biophys Res Commun* 56:358-62, 23 Jan 74 (Eng)

#### GLUCOSE TOLERANCE TEST, ORAL

[RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cuttica F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)

#### GLUCOSE TRANSFER

PROCEEDINGS: 157. MODE OF INSULIN ACTION ON THE CELL: SEPARATIVE EFFECT OF INSULIN ON POTASSIUM AND GLUCOSE TRANSFER OF MYOCARDIUM. Imanaga I *J Physiol Soc Jap* 35:448, Aug-Sep 73 (Eng)

#### GLUCOSE TRANSPORT

INFLUENCE OF MAXIMAL VASODILATION ON GLUCOSE AND SODIUM BLOOD-TISSUE TRANSPORT IN CANINE HEART. Duran WN, Alvarez OA, Yudilevich DL *Microvasc Res* 6:347-59, Nov 73 (Eng)

#### GLUCOSE UPTAKE

NET UPTAKE OF GLUCOSE, GLYCEROL, AND FATTY ACIDS BY THE ISOLATED PERFUSED RAT LUNG. Rhoades RA *Am J Physiol* 226:144-9, Jan 74 (Eng)

#### GLUCOSE UPTAKE, PERIPHERAL

LETTER: GLUCOSE INTOLERANCE AND PERIPHERAL GLUCOSE UPTAKE IN ACUTELY INTOXICATED ALCOHOLICS. Eriksson CE, Hed R, Lindblad LE, Nygren A, Sundblad L *Lancet* 1:811-2, 27 Apr 74 (Eng)

#### GLUCOSE, URINE

RACIAL DIFFERENCES IN SERUM AND URINE GLUCOSE AFTER GLUCOSE CHALLENGE. Dales LG, Siegel AB, Feldman R, Friedman GD, Seltzer CC, Collen MF *Diabetes* 23:327-32, Apr 74 (Eng)

#### GLUCOSE UTILIZATION

A COMPARATIVE STUDY ON THE EFFECT OF FLUORIDE, LAURYLSULPHATE AND CHLORHEXIDINE ON GLUCOSE UTILIZATION IN RAT INTESTINAL MUCOSAL CELLS. Olsen I, Sognen E *Acta Pharmacol Toxicol (Kbh)* 33:348-52, 1973 (Eng)

#### GLUCOSE-6-PHOSPHATASE

STUDIES ON A PYROPHOSPHATASE AND GLUCOSE-6-PHOSPHATASE FROM ASPERGILLUS ORYZAE. Gold EW, Veitch FP *Biochim Biophys Acta* 327:166-75, 15 Nov 73 (Eng)

#### GLUCOSE-6-PHOSPHATE DEHYDROGENASE

KINETIC ANALYSIS OF PARTIALLY PURIFIED GLUCOSE-6-PHOSPHATE DEHYDROGENASES FROM RAT MUSCLE, ADIPOSE TISSUE AND LIVER, AND FROM BAKERS YEAST. Geisler RW, McClure AM, Hansen RJ *Biochim Biophys Acta* 327:1-10, 15 Nov 73 (Eng)

THE PENTOSE SHUNT IN WILD-TYPE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT DROSOPHILA MELANOGASTER. Geer BW, Bowman JT, Simmons JR *J Exp Zool* 187:77-86, Jan 74 (Eng)

#### GLUTAMYL RESIDUE

YEAST 3-PHOSPHOGLYCERATE KINASE: EVIDENCE FOR A GLUTAMYL RESIDUE IN THE PHOSPHORYL TRANSFER. Brevet A, Roustan C, Desvages G, Pradel LA, Thoai N *Eur J Biochem* 39:141-7, 1 Nov 73 (Eng)

#### GLYCEMIA

[PROCEEDINGS: USE OF THE ENZYMIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS] Marigo S, Del Nevo G, Bini PP *Quad Sclavo Diagn* 9:95-102, Mar 73 (Ita)

#### GLYCEMIC CURVE

[DIFFERENCES IN GLYCEMIC CURVES IN ALBINO BN AND BLACK C57BL MICE FOLLOWING INTRAPERITONEAL ADRENALINE ADMINISTRATION] Zbyt-niewski Z, Tarzynska-Kleineder J *Endokrynol Pol* 24:459-65, Nov-Dec 73 (Pol)

#### GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. PURIFICATION AND CHARACTERIZATION. Duggleby RG, Dennis DT *J Biol Chem* 249:162-6, 10 Jan 74 (Eng)

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# GLYCEROL

- STATE KINETICS. Duggleby RG, Dennis DT *J Biol Chem* 249:167-74, 10 Jan 74 (Eng)
- NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM *PISUM SATIVUM*. EFFECT OF NICOTINAMIDE ADENINE DINUCLEOTIDE AND RELATED COMPOUNDS ON THE ENZYME-CATALYZED ARSENOLYSIS OF 1,3-DIPHOSPHOGLYCERIC ACID. Duggleby RG, Dennis DT *J Biol Chem* 249:175-81, 10 Jan 74 (Eng)

# GLYCEROL

- NET UPTAKE OF GLUCOSE, GLYCEROL, AND FATTY ACIDS BY THE ISOLATED PERFUSED RAT LUNG. Rhoades RA *Am J Physiol* 226:144-9, Jan 74 (Eng)

# GLYCOGEN

- FACTORS AFFECTING GLYCOGEN LEVELS IN HELA CELLS: PREDNISOLONE AND ADENINE NUCLEOTIDES. Melnykovych G, Bishop CF *J Natl Cancer Inst* 51:353-60, Aug 73 (Eng)
- NEW STUDIES ON AMYLOSUCRASE, A BACTERIAL ALPHA-D-GLUCOSYLASE THAT DIRECTLY CONVERTS SUCROSE TO A GLYCOGEN-LIKE ALPHA-GLUCAN. Okada G, Hehre EJ *J Biol Chem* 249:126-35, 10 Jan 74 (Eng)
- THE GLYCOGEN IN SOME PARTS OF THE DIABETIC SKIN. Posinovec J, Skrabalo Z *Experientia* 30:305-6, 15 Mar 74 (Eng)
- EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brolin S *Biochem Biophys Res Commun* 56:1045-51, 27 Feb 74 (Eng)

# GLYCOGEN ACCUMULATION

- RESERPINE-INDUCED GLYCOGEN ACCUMULATION IN THE EPITHELIAL CELLS OF THE MOUSE CHOROID PLEXUS. Suzuki Y, Ito T *Brain Res* 70:113-22, 12 Apr 74 (Eng)

# GLYCOGEN METABOLISM

- [GLYCOGEN METABOLISM AND ACID ALPHA-GLUCOSIDASE IN ANIMALS (AUTHORS TRANSL)] Fujimori K *Protein Nucleic Acid Enzyme* (Tokyo) 18:1018-34, Nov 73 (Jap) [162]
- PROCEEDINGS: GLYCOGEN METABOLISM IN BOVINE LENSES. Ohrlöf C, Hockwin O, Holsteg A *Exp Eye Res* 17:401, 25 Nov 73 (Eng)

# GLYCOGEN, RAT LIVER

- LEAD AND SOME OTHER METALS IN THE HISTOCHEMICAL DEMONSTRATION OF RAT LIVER GLYCOGEN PHOSPHORYLASE ACTIVITY. Lindberg LA *Histochemie* 36:347-53, 1973 (Eng)
- HISTOCHEMICAL DEMONSTRATION OF RAT LIVER GLYCOGEN PHOSPHORYLASE ACTIVITY WITH IRON (FE00). Lindberg LA *Histochemie* 36:355-65, 1973 (Eng)

# GLYCOGEN, UTERINE

- EFFECT OF REPEATED INJECTIONS OF OESTROGEN ON UTERINE GLYCOGEN. Bo WJ, Krueger WA, Garrison BM *J Endocrinol* 59:381-2, Nov 73 (Eng)

# GLYCOGENOSIS

- [DIAGNOSIS OF GLYCOGENOSIS] Anonymous *Paediatr Paedol* 8:88-90, 1973 (Ger)

# GLYCOGENOSIS, HEPATIC

- HEPATIC PHOSPHORYLASE DEFICIENCY. ITS DIFFERENTIATION FROM OTHER HEPATIC GLYCOGENOSSES. Fernandes J, Koster JF, Grose WF, Sordedra N *Arch Dis Child* 49:186-91, Mar 74 (Eng)

# GLYCOLYSIS

- CARBON DIOXIDE MEDIATED GLYCOLYSIS II. Zborowska-Sluis DT, Klassen GA *Respir Physiol* 19:162-75, Nov 73 (Eng)
- [FUNCTIONAL ORGANIZATION OF THE ENZYME SYSTEMS OF GLYCOLYSIS IN MUSCLE AND NERVE TISSUE OF CEPHALOPOD MOLLUSCS AND LOWER FISHES] Verzhbinskaia NA *Zh Evol Biokhim Fiziol* 8:260-8, May-Jun 73 (Rus)
- PROCEEDINGS: MAST CELL SECRETION (HISTAMINE RELEASE) INDUCED BY 48-80: CALCIUM-DEPENDENT EXOCYTOSIS INHIBITED STRONGLY BY CYTOCHALASIN ONLY WHEN GLYCOLYSIS IS RATE-LIMITING. Douglas WW, Ueda Y *J Physiol (Lond)* 234:97P-98P, Oct 73 (Eng)

- ORGANIZATION OF GLYCOLYSIS: OSCILLATORY AND STATIONARY CONTROL. Hess B *Symp Soc Exp Biol* 27:105-31, 1973 (Eng) [28]
- POSSIBLE REGULATORY INTERACTIONS BETWEEN COMPARTMENTALIZED GLYCOLYTIC SYSTEMS DURING INITIATION OF GLYCOLYSIS IN ASCITES TUMOR CELLS. Coe EL, Greenhouse WV *Biochim Biophys Acta* 329:171-82, 5 Dec 73 (Eng)

- THE EFFECT OF POTASSIUM DEPLETION ON THE INITIAL KINETICS OF GLYCOLYSIS IN ASCITES TUMOR CELLS. Greenhouse WV, Coe EL *Biochim Biophys Acta* 329:183-95, 5 Dec 73 (Eng)

- REGULATORY DEFECT OF GLYCOLYSIS IN HUMAN LIPOMA. Atkinson JN, Galton DJ, Gilbert C *Br Med J* 1:101-2, 19 Jan 74 (Eng)

# GLYCOLYTIC ENZYME

- [INHIBITION OF THE ACTIVITY OF KEY GLYCOLYTIC ENZYMES IN RAT LIVERS FOLLOWING PROLONGED INSULIN ADMINISTRATION] Gordienko OE, Chesnokov VN, Mertvetsov NP, Salganik RI *Probl Endokrinol (Mosk)* 19:78-82, Jul-Aug 73 (Rus)

# GLYCOLYTIC SYSTEM

- POSSIBLE REGULATORY INTERACTIONS BETWEEN COMPARTMENTALIZED GLYCOLYTIC SYSTEMS DURING INITIATION OF GLYCOLYSIS IN ASCITES TUMOR CELLS. Coe EL, Greenhouse WV *Biochim Biophys Acta* 329:171-82, 5 Dec 73 (Eng)

# GLYCOPROTEIN

- ON THE BIOSYNTHESIS OF GLYCOPROTEINS. Gottschalk A *Z Naturforsch [C]* 28:94-9, Jan-Feb 73 (Eng)

# GLYPIZIDE

- [CLINICAL TRIAL OF GLYPIZIDE] Canadell Vidal J *Rev Iber Endocrinol* 21:61-73, Jan 74 (Spa)

# GOLDEN HAMSTER

- [EXPERIMENTAL ALLOXAN DIABETES IN GOLDEN HAMSTERS] Lazaris IaA, Korchin VI *Patol Fiziol Eksp Ter* 17:72-4, Sep-Oct 73 (Rus)

# GOLGI MEMBRANE

- THE ROLE IN CHYLOMICRON FORMATION OF PHOSPHOLIPASE ACTIVITY OF INTESTINAL GOLGI MEMBRANES. Redgrave TG *Aust J Exp Biol Med Sci* 51:427-34, Aug 73 (Eng)

# GOUT, PRIMARY

- [INVESTIGATIONS CONCERNING THE INCIDENCE OF DISORDERS OF LIPID AND CARBOHYDRATE METABOLISM IN PRIMARY GOUT AND SYMPTOMLESS HYPERURICAEMIA (AUTHORS TRANSL)] Frank O *Wien Klin Wochenschr* 86:252-6, 3 May 74 (Ger)

# GROIT, JOZEF WACAW--IN MEMORIAM

- [IN MEMORIAM: PROF. JOZEF WACAW GROIT (3-5-1894-9-29-1973)] (Grott JW), Dawidowicz A *Pol Arch Med Wewn* 51:333-6, Mar 74 (Pol)

# GROWTH HORMONE

- EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

- EFFECT OF THYROIDINE AND GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 74:24-40, Sep 73 (Eng)

- CELL KINETICS OF THE GROWTH PLATE IN HYPOPHYSECTOMIZED RATS TREATED WITH GROWTH HORMONE AND THYROIDINE. Thorngren KG, Hansson LI *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73 (Eng)

- [GROWTH HORMONE AND ENZYMES] Takeda Y, Inoue H *Clin Endocrinol (Tokyo)* 21:781-8, Aug 73 (Jap) [55]

- GROWTH HORMONE LEVELS IN VITAMIN B6-DEFICIENT RATS. Makris A, Gershoff SH *Horm Metab Res* 5:457-61, Nov 73 (Eng)

- INFLUENCE OF EXOGENOUS GROWTH HORMONE AND ITS ANTISERUM ON PLASMA FREE FATTY ACID LEVEL IN THE PIGEON. John TM, McKeown BA, George JC *Comp Biochem Physiol [A]* 46:497-504, 1 Nov 73 (Eng)

- [THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

- [GROWTH HORMONE AND INSULIN CONCENTRATIONS IN HUMAN PLASMA FLOWING FROM DIFFERENT ORGANS] Fedotov VP, Gebel' GL, Sokolov IaA, Chestukhin VV *Probl Endokrinol (Mosk)* 19:6-9, Jul-Aug 73 (Rus)

- ALTERED GROWTH HORMONE HOMEOSTASIS DURING ACUTE BACTERIAL SEPSIS IN THE RHESUS MONKEY. Rayfield EJ, George DT, Beisel WR *J Clin Endocrinol Metab* 38:746-54, May 74 (Eng)

- GROWTH HORMONE IN DYSTROPHIA MYOTONICA. Caughey JE, Koochek MH *Nz Med J* 79:685-7, 27 Feb 74 (Eng)

- CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS. Sonksen PH *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)

# GROWTH HORMONE DEFICIENCY

- ISOLATED GROWTH HORMONE DEFICIENCY AND RELATED DISORDERS. Merimee TJ *Annu Rev Med* 25:137-42, 1974 (Eng) [20]

# GROWTH HORMONE, DOG

- PLASMA DISAPPEARANCE OF RADIOIODINATED DOG GROWTH HORMONE IN THE DOG. Kramer MW, Pearson SE, Michaelson SM *Horm Metab Res* 5:470-1, Nov 73 (Eng)

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### GROWTH HORMONE EFFECT

[EFFECT OF GROWTH HORMONE (STH) ON THE DYNAMICS OF ANTIBODY FORMATION IN ANIMALS IMMUNIZED WITH RS VIRUS] Wilczynski J, Sadowski W *Med Dosw Mikrobiol* 25:327-33, 1973 (Pol)

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

### GROWTH HORMONE, HUMAN

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ROUTINE ULTRAMICRO-MEASUREMENT OF HUMAN GROWTH HORMONE IN PLASMA BY SOLID-PHASE RADIOIMMUNOASSAY. Ogawa N *Endocrinol Jap* 20:587-94, Dec 73 (Eng)

ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY. Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

### GROWTH HORMONE, PLASMA

PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY. Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

### GROWTH HORMONE RELEASE

STIMULATION OF GROWTH HORMONE RELEASE FROM SUPERFUSED RAT PITUITARY BY EXTRACTS OF HYPOTHALAMUS AND OF HUMAN LUNG TUMOURS. Beck C, Larkins RG, Martin TJ, Burger HG *J Endocrinol* 59:325-33, Nov 73 (Eng)

### GROWTH HORMONE SECRETION

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PROCEEDINGS: GROWTH HORMONE SECRETION DURING SLEEP IN SHORT CHILDREN: A CONTINUOUS SAMPLING STUDY. Howse PM, Rayner PH, Williams JW, Rudd BT *Arch Dis Child* 49:246, Mar 74 (Eng)

### GROWTH PLATE

CELL KINETICS OF THE GROWTH PLATE IN HYPOPHYSECTOMIZED RATS TREATED WITH GROWTH HORMONE AND THYROXINE. Thorgren KG, Hansson LI *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73 (Eng)

### GROWTH RATE

STIMULATION OF ENZYME SYNTHESIS AND INHIBITION OF DNA SYNTHESIS AND GROWTH RATE BY CYCLIC AMP DERIVATIVES IN CULTURED HEPATOMA CELLS. Wicks WD, Wijk R van, McKibbin JB *Adv Enzyme Regul* 11:117-35, 1973 (Eng)

### GROWTH-ONSET DIABETES

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnava H *Diabetes* 23:268-75, Apr 74 (Eng)

### HALOTHANE ANESTHESIA

INHIBITION BY HALOTHANE OF GLUCOSE-STIMULATED INSULIN SECRETION IN ISOLATED PIECES OF RAT PANCREAS. Gingerich R, Wright PH, Paradise RR *Anesthesiology* 40:449-52, May 74 (Eng)

### HAMSTER

PANCREATIC INVOLVEMENT BY VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS IN THE HAMSTER. Gorelkin L, Jahrling PB *Am J Pathol* 75:349-62, May 74 (Eng)

### HAND

GANGRENE OF THE HAND IN A NEWBORN CHILD. Hoffman S, Valderrama E, Gribetz I, Strauss L *Hand* 6:70-3, Feb 74 (Eng)

### HEALTHY INDIVIDUAL

[HEMODYNAMIC AND BIOCHEMICAL RESULTS FOLLOWING ADMINISTRATION OF ALLOPURINOL IN HEALTHY INDIVIDUALS] Szigoleit W, Taube C, Terhaag B, Forster W *Z Gesamte Inn Med* 28:465-6, 1 Aug 73 (Ger)

### HEALTHY SUBJECT

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### HEART

[COMPARATIVE STUDIES ON THE INFLUENCE OF CREATINE PHOSPHATE AND CREATININE PHOSPHATE ON RESPIRATION AND OXIDATIVE PHOSPHORYLATION OF ISOLATED HEART AND LIVER MITOCHONDRIA] Noack E *Arzneim Forsch* 23:1037-41, Aug 73 (Ger)

SULFONYLUREAS AND THE HEART. Levey GS, Lasseter KC, Palmer RF *Annu Rev Med* 25:69-74, 1974 (Eng) [24]

[EXPERIENCE IN USING CONSTANT TRANSVENOUS ENDOCARDIAL ELECTRICAL STIMULATION OF THE HEART] Dumchius AS *Kardiologija* 14:65-8, Feb 74 (Rus)

### HEART, CANINE

INFLUENCE OF MAXIMAL VASODILATION ON GLUCOSE AND SODIUM BLOOD-TISSUE TRANSPORT IN CANINE HEART. Duran WN, Alvarez OA, Yudilevich DL *Microvasc Res* 6:347-59, Nov 73 (Eng)

### HEART DISEASE, ISCHEMIC

[DISTRIBUTION OF OBLITERATING ATHEROSCLEROSIS OF THE ARTERIES OF THE LOWER EXTREMITIES AND ITS RELATIONSHIP TO ISCHEMIC HEART DISEASE] Dokuchaeva EA *Kardiologija* 14:131-6, Feb 74 (Rus)

### HEART, ISOLATED PERFUSED RAT

REGULATION OF FATTY ACID UTILIZATION IN ISOLATED PERFUSED RAT HEARTS. Oram JF, Bennet SL, Neely JR *J Biol Chem* 248:5299-309, 10 Aug 73 (Eng)

### HEART LESION

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### HEART, RABBIT

POTASSIUM CONTRACTURE AND UTILIZATION OF HIGH-ENERGY PHOSPHATES IN RABBIT HEART. Rich TL, Brady AJ *Am J Physiol* 226:105-13, Jan 74 (Eng)

### HEART, RAT

KINETICS AND MECHANISM OF THE EXCHANGE REACTIONS CATALYSED BY THE OXOGLUTARATE TRANSLOCATOR OF RAT-HEART MITOCHONDRIA. Sluse FE, Liebecq C *Biochimie* 55:747-54, 1973 (Eng)

### HELA CELL

FACTORS AFFECTING GLYCOGEN LEVELS IN HELA CELLS: PREDNISOLONE AND ADENINE NUCLEOTIDES. Melnykovich G, Bishop CF *J Natl Cancer Inst* 51:353-60, Aug 73 (Eng)

### HEMOCHROMATOSIS

[LETHALLY PROCEEDING HEMOCHROMATOSIS IN A YOUNG MAN] Axelsson U, Lannemyr O *Lakartidningen* 71:1138, 20 Mar 74 (Swe)

### HEMODIALYSIS

[LETTER: GLUCOSE-FREE DIALYSATE IN HEMODIALYSIS] Remer E *Dtsch Med Wochenschr* 99:162-3, 25 Jan 74 (Ger)

### HEMODYNAMIC RESULT

[HEMODYNAMIC AND BIOCHEMICAL RESULTS FOLLOWING ADMINISTRATION OF ALLOPURINOL IN HEALTHY INDIVIDUALS] Szigoleit W, Taube C, Terhaag B, Forster W *Z Gesamte Inn Med* 28:465-6, 1 Aug 73 (Ger)

### HEMOGLOBIN DISORDER

ACQUIRED DISORDERS OF HEMOGLOBIN. Bradley TB, Ranney HM *Prog Hematol* 8:77-98, 1973 (Eng)

### HEMOLYSIS, INTRAVASCULAR

INTRAVASCULAR HAEMOLYSIS COMPLICATING TREATED NON-KETOTIC HYPERGLYCAEMIC DIABETIC COMA. Blackwell SW, Burns-Cox CJ *Postgrad Med J* 49:656-7, Sep 73 (Eng)

### HEMORRHAGIC GLAUCOMA

CORTICOSTEROID MANAGEMENT OF HEMORRHAGIC GLAUCOMA. Drews RC *Trans Am Acad Ophthalmol Otolaryngol* 78:OP334-6, Mar-Apr 74 (Eng)

### HEMORRHAGIC SYNDROME, PIG

EFFECT OF MENADIONE AND OTHER FACTORS ON SUGAR-INDUCED HEART LESIONS AND HEMORRHAGIC SYNDROME IN THE PIG. Brooks CC, Nakamura RM, Miyahara AY *J Anim Sci* 37:1344-50, Dec 73 (Eng)

### HEPARINIZED PLASMA

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EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS. Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)

#### HEPATOMA CELL CULTURE

STIMULATION OF ENZYME SYNTHESIS AND INHIBITION OF DNA SYNTHESIS AND GROWTH RATE BY CYCLIC AMP DERIVATIVES IN CULTURED HEPATOMA CELLS. Wicks WD, Wijk R van, McKibbin JB *Adv Enzyme Regul* 11:117-35, 1973 (Eng)

THE ROLE OF MESSENGER RNA IN TYROSINE AMINOTRANSFERASE SUPERINDUCTION: EFFECTS OF CAMPTOTHECIN ON HEPATOMA CELLS IN CULTURE. Bushnell DE, Becker JE, Potter VR *Biochem Biophys Res Commun* 56:815-21, 4 Feb 74 (Eng)

#### HEXOKINASE ISOENZYME

[DEMONSTRATION OF RAT LIVER HEXOKINASE ISOENZYMES BY MEANS OF AGAR GEL ELECTROPHORESIS] Chesnokov VN, Gordienko OE, Mertvetsov NP *Vopr Med Khim* 19:498-501, Sep-Oct 13 (Rus)

#### HEXOKINASE REACTION

DETERMINATION OF GLUCOSE WITH A RESEARCH MODEL AMINCO ROTOCHEM BY THE HEXOKINASE REACTION. Hasson W, Penton JR, Widdowson GM *Clin Chem* 20:15-8, 1974 (Eng)

#### HEXOSE

THE ACTIVE HEXOSE-UP TAKE SYSTEM OF CHLORELLA VULGARIS. KM-VALUES FOR 6-DEOXYGLUCOSE INFLUX AND EFFLUX AND THEIR CONTRIBUTION TO SUGAR ACCUMULATION. Komor E, Haass D, Komor B, Tanner W *Eur J Biochem* 39:193-200, 1 Nov 73 (Eng)

#### HEXOSE TRANSPORT

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#### HISTAMINE RELEASE

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EFFECTS OF ADRENERGIC AGENTS, THEOPHYLLINE AND OTHER DRUGS ON DEXTRAN EDEMA AND HISTAMINE RELEASE IN RATS. Baxter JH, Beaven MA, Horakova Z *Biochem Pharmacol* 23:1211-7, 1 Apr 74 (Eng)

#### HISTOCOMPATIBILITY ANTIGEN

[EDITORIAL: HL-A AND DISEASES] Dausset J *Nouv Presse Med* 3:499-501, 2 Mar 74 (Fre)

#### HOMEOSTASIS

HOMEOSTASIS OF BODY WEIGHT IN A DIABETES CLINIC POPULATION. Goodner CJ, Ogilvie JT *Diabetes* 23:318-26, Apr 74 (Eng)

ALTERED GROWTH HORMONE HOMEOSTASIS DURING ACUTE BACTERIAL SEPSIS IN THE RHESUS MONKEY. Rayfield EJ, George DT, Beisel WR *J Clin Endocrinol Metab* 38:746-54, May 74 (Eng)

#### HOMOGENOUS CELL LAYER

GROWTH OF CELLS ON SOLID CULTURE MEDIUM. I. GROWTH OF A HOMOGENOUS CELL LAYER ON A SOLID CULTURE MEDIUM. Muller-Ontjes J *Biophysik* 10:143-55, 1973 (Eng)

#### HORMONAL CONTROL

PROTEIN KINASE TRANSLOCATION AS AN EARLY EVENT IN THE HORMONAL CONTROL OF UTERINE CONTRACTION. Korenman SG, Bhalla RC, Stevens RH *Science* 183:430-2, 1 Feb 74 (Eng)

A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA<sup>+</sup>-K<sup>+</sup> ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

#### HORMONAL INFLUENCE

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

#### HORMONAL RESPONSE

HORMONAL RESPONSES TO INTRAVENOUS AND ORAL GLUCOSE TOLERANCE TESTING IN A PATIENT WITH A GASTRINOMA AND A GASTROJEJUNOSTOMY. Massaro RP *Gastroenterology* 66:1058-62, May 74 (Eng)

#### HORMONE

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

[CHEMICAL SYNTHESIS AND PROPERTIES OF PEPTIDIC HORMONE ANALOGUES (AUTHORS TRANSL.)] Lutz W, Klyszejko-Stefanowicz L *Postepy Biochem* 20:35-66, 1974 (Pol)

#### HORMONE ACTION

[VARIOUS RECENT USES OF HORMONES AND THEIR MECHANISM OF ACTION ON THE CELL LEVEL] Barnabei O, Orlandi C *Recent Prog Med (Roma)* 56:47-76, Jan 74 (Ita)

#### HORMONE ACTIVATION

THE ACTIVATION OF ADENYLATE CYCLASE. I. A POSTULATED MECHANISM FOR FLUORIDE AND HORMONE ACTIVATION OF ADENYLATE CYCLASE. Najjar VA, Constantopoulos A *Mol Cell Biochem* 2:87-93, 15 Nov 73 (Eng)

#### HUMAN SUBJECT

RESPONSIVENESS OF HUMAN SUBJECTS TO HUMAN GROWTH HORMONE: RELATION TO BONE AGE. Rudman D, Patterson JH, Gibbas DL, Richardson TJ, Awrich AI, Anthony AE, Bixler TJ 2d, Giansanti JS *J Clin Endocrinol Metab* 38:848-55, May 74 (Eng)

ACUTE SUPPRESSION OF INSULIN AND GLUCOSE LEVELS BY SYNTHETIC SOMATOSTATIN IN NORMAL HUMAN SUBJECTS. DeVane GW, Siler TM, Yen SS *J Clin Endocrinol Metab* 38:913-5, May 74 (Eng)

#### HYDROCORTISONE

[PARTICIPATION OF THE SEX HORMONES IN REALIZING THE REGULATORY INFLUENCE OF HYDROCORTISONE AND INSULIN ON ASPARTATE TRANSAMINASE ACTIVITY IN THE RENAL CORTEX OF MALE AND FEMALE RATS] Poletacva KA *Vopr Med Khim* 19:358-61, Jul-Aug 73 (Rus)

#### HYDROLYSIS

EFFECTS OF MODIFYING UREA HYDROLYSIS IN ACUTE NEPHRECTOMY ON SURVIVAL, AMMONIA IN CECAL CONTENTS AND BLOOD METABOLITES. Prior RL, Visick WJ *Proc Soc Exp Biol Med* 144:184-8, 1 Oct 73 (Eng)

#### HYPERALANINEMIA

[HYPERALANINEMIA-PYRUVICEMIA: CHRONIC LACTIC ACIDOSIS] Tada K *Jap J Clin Med* 31:2456-62, 10 Aug 73 (Jap)

#### HYPERGLUCAGONEMIA

THE EFFECT OF ADRENERGIC BLOCKADE ON EXERCISE-INDUCED HYPERGLUCAGONEMIA. Harvey WD, Faloon GR, Unger RH *Endocrinology* 94:1254-8, May 74 (Eng)

#### HYPERGLYCEMIA

HYPERGLYCEMIA IN HYPERNATREMIC DEHYDRATION. Mandell F, Fellers FX *Clin Pediatr (Phila)* 13:367-9, Apr 74 (Eng)

[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN] Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

PARANEOPLASTIC SYNDROMES. HYPERGLYCEMIA. Cahill GF Jr *Ann NY Acad Sci* 230:161-7, 1974 (Eng)

VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCARDITIS VIRUS. Hayashi K, Boucher DW, Notkins AL *Am J Pathol* 75:91-102, Apr 74 (Eng)

#### HYPERINSULINEMIA

[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN] Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

#### HYPERLIPOPROTEINEMIA TYPE 4

A CLINICAL SYNDROME CHARACTERISTIC OF PRIMARY TYPE IV-V HYPERLIPOPROTEINAEIA. Borrie P, Slack J *Br J Dermatol* 90:245-53, Mar 74 (Eng)

#### HYPERLIPOPROTEINEMIA TYPE 5

A CLINICAL SYNDROME CHARACTERISTIC OF PRIMARY TYPE IV-V HYPERLIPOPROTEINAEIA. Borrie P, Slack J *Br J Dermatol* 90:245-53, Mar 74 (Eng)

#### HYPERNATREMIA

SYNDROME OF HYPERNATREMIA, HYPODIPSIDIA AND PARTIAL DIABETES INSIPIDUS: A NEW INTERPRETATION. Sridhar CB, Calvert GD, Ibbertson HK *J Clin Endocrinol Metab* 38:890-901, May 74 (Eng)

#### HYPERNATREMIC DEHYDRATION

HYPERGLYCEMIA IN HYPERNATREMIC DEHYDRATION. Mandell F, Fellers FX *Clin Pediatr (Phila)* 13:367-9, Apr 74 (Eng)

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HYPEROSMOLAR STATE

THE HYPEROSMOLAR STATE. Loeb JN *N Engl J Med* 290:1184-7, 23 May 74 (Eng) [6]

HYPEROSMOLARITY EFFECT

EFFECTS OF MUCOSAL HYPEROSMOLARITY ON ACTIVE SUGAR TRANSPORT AND THE SUGAR-EVOKED POTENTIAL IN ISOLATED SMALL INTESTINE OF THE TOAD. Saito Y, Hoshi T *Jap J Physiol* 23:419-34, Aug 73 (Eng)

HYPERTENSIVE CRISIS

LETTER: PROPRANOLOL, HYPOGLYCEMIA, AND HYPERTENSIVE CRISIS. McMurtry RJ *Ann Intern Med* 80:669-70, May 74 (Eng)

HYPERTENSIVE, ESSENTIAL

THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE. Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)

HYPERTHYROIDISM

HYPERTHYROIDISM IN PATIENTS OVER THE AGE OF 60 YEARS. CLINICAL FEATURES IN 85 PATIENTS. Davis PJ, Davis FB *Medicine (Baltimore)* 53:161-81, May 74 (Eng)

HYPERTRIGLYCERIDEMIA

THE INTERACTION OF FAMILIAL AND SECONDARY CAUSES OF HYPERTRIGLYCERIDEMIA: ROLE IN PANCREATITIS. Brunzell JD, Schrott HG *Trans Assoc Am Physicians* 86:245-54, 1973 (Eng)

HYPERURICEMIA

[INVESTIGATIONS CONCERNING THE INCIDENCE OF DISORDERS OF LIPID AND CARBOHYDRATE METABOLISM IN PRIMARY GOUT AND SYMPTOMLESS HYPERURICEMIA (AUTHORS TRANSL)] Frank O *Wien Klin Wochenschr* 86:252-6, 3 May 74 (Ger)

HYPOCALORIC DIET

[BASAL AND NORADRENALIN-STIMULATED LIPOLYSIS IN ISOLATED HUMAN FAT CELLS UNDER ISOCALORIC AND HYPOCALORIC DIET (AUTHORS TRANSL)] Lisch HJ, Dittrich P, Sailer S, Sandhofer F, Braunsteiner H *Klin Wochenschr* 51:735-7, 15 Jul 73 (Ger)

HYPODIPSIA

SYNDROME OF HYPERNATREMIA, HYPODIPSIA AND PARTIAL DIABETES INSIPIDUS: A NEW INTERPRETATION. Sridhar CB, Calvert GD, Ibbertson HK *J Clin Endocrinol Metab* 38:890-901, May 74 (Eng)

HYPOGLYCEMIA

THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF. Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

[LETTER: TERMINAL HYPOGLYCEMIA DURING WALDENSTROMS DISEASE] Bontoux D *Nouv Presse Med* 2:3123, Dec 73 (Fre)

HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA. Marks LJ, Steinke J, Podolsky S, Egdlah RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)

[DIAGNOSIS OF HYPOGLYCAEMIA IN NEW-BORN BABIES WITH DEXTROSTIX (AUTHORS TRANSL)] Rosegger H, Beitzke A *Paediatr Paedol* 9:104-8, 1974 (Ger)

LETTER: PROPRANOLOL, HYPOGLYCEMIA, AND HYPERTENSIVE CRISIS. McMurtry RJ *Ann Intern Med* 80:669-70, May 74 (Eng)

INHIBITION OF HYPOGLYCEMIA-INDUCED CORTISOL SECRETION BY THE SEROTONIN ANTAGONIST CYPROHEPTADINE. Plonk JW, Bivens CH, Feldman JM *J Clin Endocrinol Metab* 38:836-40, May 74 (Eng)

HYPOGLYCEMIA IN ASSOCIATION WITH EXTRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA NSILA-S BY A NEW RADIORECEPTOR ASSAY. Megyesi K, Kahn CR, Roth J, Gordon P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)

EDITORIAL: HYPOGLYCAEMIA AND PERSONALITY. Anonymous *Br Med J* 12:134, 20 Apr 74 (Eng)

[PRINCIPLES OF PHYSIOPATHOLOGY: HYPOGLYCEMIA] Bonnal J *Rev Med Liege* 29:217-21, 15 Apr 74 (Fre)

[CEREBRAL INVOLVEMENT IN HYPOGLYCEMIA: EXPERIMENTAL NEUROPHYSIOLOGICAL BASES] Waltregny A *Rev Med Liege* 29:222-3, 15 Apr 74 (Fre)

[NEURO-PSYCHIATRIC SYMPTOMATOLOGY IN HYPOGLYCEMIA] Franck G *Rev Med Liege* 29:223-6, 15 Apr 74 (Fre)

[EXPLORATION OF HYPOGLYCEMIA] Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)

[TUMORAL HYPOGLYCEMIA AND ITS TREATMENT] Debry G *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)

STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS. Vinik AI, Deppe WM *S Afr Med J* 74:518-24, 31 Mar 74 (Eng)

HYPOGLYCEMIC EFFECT

[HYPOGLYCEMIC EFFECT OF GLIPIZIDE. STUDY IN 20 DIABETIC PATIENTS WITH LOW PANCREATIC INSULIN RESERVE] Laviada E, Camara M *Prensa Med Mex* 38:297-302, Jul-Aug 73 (Spa)

HYPOGLYCEMIC, SHEEP

RENAL KETONE BODY METABOLISM AND GLUCONEOGENESIS IN NORMAL AND HYPOGLYCEMIC SHEEP. Kaufman CF, Bergman EN *Am J Physiol* 226:827-32, Apr 74 (Eng)

HYPOLIPIDEMIC EFFECT

[PYRIDOXINE PARA-CHLORO-PHOXY-ISOBUTYRATE. ANALYSIS OF HYPOLIPIDEMIC EFFECTS] Mirouze J, Orsetti A, Cartry E *Nouv Presse Med* 2:3115-6, Dec 73 (Fre)

HYPOPHYSECTOMIZED RAT

EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

EFFECT OF THYROXINE AND GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 74:24-40, Sep 73 (Eng)

CELL KINETICS OF THE GROWTH PLATE IN HYPOPHYSECTOMIZED RATS TREATED WITH GROWTH HORMONE AND THYROXINE. Thorngren KG, Hansson LI *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73 (Eng)

HYPOPHYSOTROPIC HORMONE, HYPOTHALAMIC

[CHEMISTRY OF HYPOTHALAMIC HYPOPHYSOTROPIC HORMONES] Kasafirek E *Cesk Farm* 22:364-74, 1973 (Cze)

HYPOPITUITARY

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPITUITARY PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

HYPOTHALAMIC ACTIVITY

[PROOF OF INCREASED HYPOTHALAMIC ACTIVITY] Mosonyi L, Gonczy J, Palossy B, Dobias G *Wien Z Inn Med* 54:114-9, 1973 (Ger)

HYPOTHALAMO-PITUITARY ADRENAL

[THE EFFECT OF MORPHINE, PETHIDINE AND CLOPRIMAZINE ON THE HYPOTHALAMO-PITUITARY-ADRENAL SYSTEM (AUTHORS TRANSL)] Morgner KD, Fissan H, Lucke C *Klin Wochenschr* 51:1205-7, 15 Dec 73 (Ger)

HYPOTHALAMUS

STIMULATION OF GROWTH HORMONE RELEASE FROM SUPERFUSED RAT PITUITARY BY EXTRACTS OF HYPOTHALAMUS AND OF HUMAN LUNG TUMOURS. Beck C, Larkins RG, Martin TJ, Burger HG *J Endocrinol* 59:325-33, Nov 73 (Eng)

HYPOTHERMIA, ACCIDENTAL

ACCIDENTAL HYPOTHERMIA IN AN ALCOHOLIC POPULATION. Weyman AE, Greenbaum DM, Grace WJ *Am J Med* 56:13-21, Jan 74 (Eng)

HYPOXIA

ENFLURANE (ETHRANE) AND ISOFLURANE (FORANE): A COMPARISON WITH NINE GENERAL ANAESTHETICS DURING STRESS OF HYPOXIA (SPONTANEOUS BREATHING). Dobkin AB, Byles PH, Levy AA *Can Anaesth Soc J* 20:782-97, Nov 73 (Eng)

COLD-INDUCED THERMOGENESIS IN DOGS: ITS REDUCTION BY MODERATE HYPOXIA. Blatteis CM, Lutherer LO *J Appl Physiol* 35:608-12, Nov 73 (Eng)

IMMUNOGENICITY

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IMMUNOGLOBULIN-A DEFICIENCY

[JUVENILE DIABETES MELLITUS AND SELECTIVE IGA DEFICIENCY] Cser A, Ambros M, Bajtai G, Heim T, Varga F *Orv Hetil* 115:803-6, 7 Apr 74 (Hun)

IMPLANTATION

MANAGEMENT OF PATIENTS FOR YTTRIUM-90 IMPLANTATION OF THE PITUITARY GLAND. Whitwam JG, Tunbridge WM, Fuller WJ *Br J Anaesth* 45:1121-9, Nov 73 (Eng)

INDIAN FROG (RANA TIGRINA)

CELLULAR COMPOSITION OF THE PANCREATIC ISLETS OF THE COMMON INDIAN FROG, RANA TIGRINA. Khanna SS, Kumar S *Acta Anat (Basel)* 86:524-31, 1973 (Eng)

## Diabetes Literature—Keyword Index

### INDONESIAN

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LACTOSE TOLERANCE TEST ON INDONESIAN NEWBORN INFANTS. Surjono A, Surjantoro, Sadjimin T, Ismangun *Paediatr Indones* 13:11-6, Jan 73 (Eng)

#### INFANCY

[PRADER-WILLI-LABHART-SYNDROME IN INFANCY (AUTHORS TRANSL)] Habberfeller H, Glatz J, Unterkircher R *Paediatr Paedol* 9:123-9, 1974 (Ger)

#### INFANT OBESITY

EDITORIAL: INFANT AND ADULT OBESITY. Anonymous *Lancet* 1:17-8, 5 Jan 74 (Eng)

#### INFERTILITY

LONG-TERM THERAPY WITH LOW-DOSE CISLUMPHEN IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE. Reyes FI, Fairman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]

#### INFLAMMATORY DISEASE

[INFLAMMATORY DISEASES OF THE URINARY ORGANS IN PATIENTS WITH DIABETES MELLITUS] Spesivtseva VG, Mamaeva GG, Baranchikova NA, Ialysheva NI *Sov Med* 36:103-7, Oct 73 (Rus)

#### INFRARED

[INFRARED THERMOVISION AND JUVENILE DIABETES] Stavratjev M, Stavratjevo A, Osickova L *Cesk Pediatr* 29:145-7, Mar 74 (Cze)

#### INJURED

STUDIES OF GLUCOSE INTOLERANCE IN SEPTIC INJURED PATIENTS. Gump FE, Long C, Killian P, Kinney JM *J Trauma* 14:378-88, May 74 (Eng)

#### INJURY

ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY. Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

#### INNER MITOCHONDRIAL MEMBRANE

STABILIZATION OF THE ENZYMATIC SYSTEMS OF THE INNER MITOCHONDRIAL MEMBRANE AND RELATED PROBLEMS. A POSSIBLE APPROACH TO THE PROBLEM OF THE REGULATION OF MITOCHONDRIAL FORMATION. Luzikov VN *Subcell Biochem* 2:1-31, Jan 73 (Eng) [124]

#### INSULAR APPARATUS

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EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

DIABETES BEFORE AND AFTER INSULIN. Allan FN *Med Hist* 16:266-73, Jul 72 (Eng)

REGULATION OF MAMMALIAN FATTY-ACID SYNTHETASE. THE ROLES OF CARBOHYDRATE AND INSULIN. Volpe JJ, Vagelos PR *Proc Natl Acad Sci USA* 71:889-93, Mar 74 (Eng)

SERUM AND INSULIN INITIATION OF DNA SYNTHESIS IN MAMMARY GLAND EPITHELIUM IN VITRO. Hsueh HW, Stockdale FE *J Cell Physiol* 83:297-308, Apr 74 (Eng)

FLUCTUATIONS OF PLASMA GLUCOSE AND INSULIN IN CONSCIOUS DOGS RECEIVING GLUCOSE INFUSIONS. Oskhtens M, Marsh DJ, Smith SW, Bergman RN, Yates FE *Am J Physiol* 226:910-9, Apr 74 (Eng)

[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN] Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

[GROWTH HORMONE AND INSULIN CONCENTRATIONS IN HUMAN PLASMA FLOWING FROM DIFFERENT ORGANS] Fedotov VP, Gebel' Gla, Sokolov IaA, Chestukhin VV *Probl Endokrinol (Mosk)* 19:6-9, Jul-Aug 73 (Rus)

[INHIBITION OF THE ACTIVITY OF KEY GLYCOLYTIC ENZYMES IN RAT LIVERS FOLLOWING PROLONGED INSULIN ADMINISTRATION] Gordienko OE, Chesnokov VN, Mertvetsov NP, Salganik RI *Probl Endokrinol (Mosk)* 19:78-82, Jul-Aug 73 (Rus)

[THE RELATIONSHIP BETWEEN THYROID HORMONES AND THE INDUCTION OF TRYPTOPHAN OXYGENASE BY INSULIN] Stroeve EA, Iliukhin VI *Probl Endokrinol (Mosk)* 19:82-4, Jul-Aug 73 (Rus)

ACUTE SUPPRESSION OF INSULIN AND GLUCOSE LEVELS BY SYNTHETIC SOMATOSTATIN IN NORMAL HUMAN SUBJECTS. DeVane GW, Siler TM, Yen SS *J Clin Endocrinol Metab* 38:913-5, May 74 (Eng)

[PARTICIPATION OF THE SEX HORMONES IN REALIZING THE REGULATORY INFLUENCE OF HYDROCORTISONE AND INSULIN ON ASPARTATE TRANSAMINASE ACTIVITY IN THE RENAL CORTEX OF MALE AND FEMALE RATS] Poletaeva KA *Vopr Med Khim* 19:358-61, Jul-Aug 73 (Rus)

OBSERVATIONS DURING TREATMENT OF ACUTE PANCREATITIS WITH INSULIN AND GLUCOSE INFUSION. Hallberg D, Theve NO *Acta Chir Scand* 140:138-42, 1974 (Eng)

[THE HISTOCHEMICAL EVIDENCE OF INSULIN IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL)] Dorn A, Lorenz D, Petermann J, Beckert R *Acta Histochem (Jena)* 46:42-8, 1973 (Ger)

[NUCLEIC ACID CONTENT IN THE BRAIN TISSUE OF RATS AFTER THE ADMINISTRATION OF DIFFERENT DOSES OF INSULIN] Sharkov BM, Filippov SP *Biol Nauki* 2:44-6, 1974 (Rus)

GLUCAGON AND THE INSULIN: GLUCAGON RATIO IN SEVERE TRAUMA. Lindsey CA, Faloona GR, Unger RH *Trans Assoc Am Physicians* 86:264-71, 1973 (Eng)

A MODEL OF THE KINETICS OF INSULIN IN MAN. Sherwin RS, Kramer KJ, Tobin JD, Insel PA, Liljenquist JE, Berman M, Andres R *J Clin Invest* 53:1481-92, May 74 (Eng)

[MOTOR FUNCTION OF THE STOMACH IN PATIENTS WITH DUODENAL ULCER AFTER INTRAVENOUS ADMINISTRATION OF INSULIN BEFORE AND AFTER SELECTIVE VAGOTOMY] Babichenko ME *Klin Khir* 12:11-6, Dec 73 (Rus)

INSULIN: A COMPARISON OF THE RESULTS OF PLASMA AND SERUM ASSAYS USING A DOUBLE-ANTIBODY TECHNIQUE. Crowley MF, Garbier KJ *Clin Chim Acta* 51:345-7, 26 Mar 74 (Eng)

SIMULTANEOUS REDUCTION AND MERCURATION OF DISULFIDE BOND A6-A11 OF INSULIN BY MONOVALENT MERCURY. Sperling R, Steinberg IZ *Biochemistry* 13:2007-13, 7 May 74 (Eng)

#### 135I-INSULIN

THE ROLE OF THE CONVOLUTED SEGMENT OF THE PROXIMAL TUBULE IN THE DISPOSAL OF 131-I-INSULIN IN THE RAT KIDNEY. Sottirai V *Am J Anat* 140:181-90, Jun 74 (Eng)

#### INSULIN ACTION

PROCEEDINGS: 157. MODE OF INSULIN ACTION ON THE CELL: SEPARATIVE EFFECT OF INSULIN ON POTASSIUM AND GLUCOSE TRANSFER OF MYOCARDIUM. Imanaga I *J Physiol Soc Jap* 35:448, Aug-Sep 73 (Eng)

#### INSULIN ANALOGUE

PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE. Nunes-Correa J, Lowy C, Sonksen PH *Lancet* 1:837-41, 4 May 74 (Eng)

#### INSULIN, BLOOD

[BLOOD INSULIN FOLLOWING INJECTION OF ENTEROHORMONES (PANCREOZYMIN AND SECRETIN) AND ITS CORRELATION WITH THE EXOCRINE SECRETORY FUNCTION OF THE PANCREAS IN VARIOUS AGE GROUPS IN HEALTHY SUBJECTS] Szadkowski M *Pol Tyg Lek* 29:421-3, 18 Mar 74 (Pol)

[EFFECTS OF REPEATED ADMINISTRATION OF INTRAVENOUSLY INJECTED GLUCOSE ON BLOOD INSULIN AND TRIGLYCERIDES IN A GROUP OF EUCRINE OLD PERSONS] Cucinotta D, Ferretti G, Marchini L, Monica C, Passeri M *G Clin Med* 54:579-97, Sep 73 (Ita)

#### INSULIN CHANGE

CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN. Spellacy WN, Buih WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

#### INSULIN EFFECT

[A NEUROPHYSIOLOGIC ANALYSIS OF THE EFFECT OF INSULIN ON THE CENTRAL NERVOUS SYSTEM] Amiragova MG, Pokryshkin VI *Fiziol Zh SSSR* 59:1473-82, Oct 73 (Rus)

[EFFECT OF INSULIN DEFICIENCY ON PHOSPHORUS LEVEL IN CASEIN IN GOAT MILK] Nowak J, Lulczynska K *Pol Arch Weter* 16:193-9, 1973 (Pol)

EFFECTS OF INSULIN AND 2-DEOXY-D-GLUCOSE ON PLASMA GLUCOSE LEVEL AND LATERAL HYPOTHALAMIC EATING THRESHOLD IN THE RAT. Berthoud HR, Baettig K *Physiol Behav* 12:547-56, Apr 74 (Eng)

CONCOMITANT EFFECTS OF INSULIN ON SURFACE MEMBRANE CONFORMATION AND POLYSOME PROFILES OF SERUM-STARVED BALB-C 3T3 FIBROBLASTS. Evans RB, Morhenn V, Jones AL, Tomkins GM *J Cell Biol* 61:95-106, Apr 74 (Eng)

## Diabetes Literature—Keyword Index

**PROCEEDINGS: 157. MODE OF INSULIN ACTION ON THE CELL: SEPARATIVE EFFECT OF INSULIN ON POTASSIUM AND GLUCOSE TRANSFER OF MYOCARDIUM.** Imanaga I *J Physiol Soc Jap* 35:448, Aug-Sep 73 (Eng)

### INSULIN GLUCOSE

**THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS.** Castro A, Buist NR *Clin Biochem* 7:81-7, Mar 74 (Eng)

### INSULIN INTERACTION

**GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY.** Gaspard U, Sandront H, Luyckx A *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)

### INSULIN, INTRAVENOUS

**[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH INTRAVENOUS INSULIN]** Fabricius-Bjerre N, Krabbe S, Lyngsøe J, Thomsen AC *Ugeskr Laeger* 136:188-92, 21 Jan 74 (Dan)

### INSULIN, PLASMA

**LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY.** Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)

**[BLOOD GLUCOSE AND PLASMA INSULIN IN TRAUMATISED RABBITS. AN EXPERIMENTAL STUDY]** Koch G *Brunns Beitr Klin Chir* 221:158-63, Mar 74 (Ger)

### INSULIN RESPONSE

**ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION.** Stahl M, Girard J, Rutishauser M, Nars PW, Zuppper K *J Pediatr* 84:821-4, Jun 74 (Eng)

### INSULIN SECRETION

**PROCEEDINGS: INHIBITORY EFFECT OF PROPRANOLOL ON INSULIN SECRETION.** Furman BL, Tayo FM *Br J Pharmacol* 49:145P, Sep 73 (Eng)

**INHIBITION BY HALOTHANE OF GLUCOSE-STIMULATED INSULIN SECRETION IN ISOLATED PIECES OF RAT PANCREAS.** Gengerich R, Wright PH, Paradise RR *Anesthesiology* 40:449-52, May 74 (Eng)

**THE SIGNIFICANCE OF CALCIUM IN INSULIN SECRETION. ULTRASTRUCTURAL STUDIES ON IDENTIFICATION AND LOCALIZATION OF CALCIUM IN ACTIVATED AND INACTIVATED B CELLS OF MICE.** Schafer HJ, Kloppel G *Virchows Arch [Pathol Anat]* 362:231-45, 1974 (Eng)

**FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS.** Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

**FRUCTOSE POTENTIATION OF MANNOSE-INDUCED INSULIN SECRETION.** Curry DL *Am J Physiol* 226:1073-6, May 74 (Eng)

**[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS]** Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

**EFFECT OF CLOFIBRATE ON ARGININE-STIMULATED GLUCAGON AND INSULIN SECRETION IN MAN.** Eaton RP, Schade DS *Metabolism* 23:445-54, May 74 (Eng)

**[THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL.)]** Pointner H, Flegel U, Waldhausl W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)

**[INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)]** Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL *Cah Med* 14:913-21, 30 Oct 73 (Fre)

**EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION.** Kaneto A, Kajunuma H, Hayashi M, Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

### INSULIN SENSITIVITY

**LIPID GENESIS AND INSULIN SENSITIVITY OF SINGLE FAT CELLS.** Gliemann J, Vinten J *J Physiol (Lond)* 236:499-516, Feb 74 (Eng)

**[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS]** Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

### INSULIN, SINGLE PEAK BEEF-PORK

**IMMUNOGENICITY OF SINGLE PEAK BEEF-PORK INSULIN IN DIABETIC SUBJECTS.** Tantillo JJ, Karam JH, Burrill KC, Jones MA, Grodsky GM, Forsham PH *Diabetes* 23:276-81, Apr 74 (Eng)

### INSULIN SYNTHESIS

**INSULIN SYNTHESIS FROM NATURAL CHAINS BY MEANS OF REVERSIBLE BRIDGING COMPOUNDS.** Geiger R, Obermeier R *Biochem Biophys Res Commun* 55:60-6, 1 Nov 73 (Eng)

### INSULIN TEST

**[PHYSIOLOGICAL MECHANISMS AND CRITERIA OF EVALUATION OF THE INSULIN TEST (REVIEW OF THE LITERATURE)]** Postolov PM, Naumov BA *Khirurgia (Mosk)* 49:119-25, Apr 73 (Rus) [103]

### INSULIN THERAPY

**[RECOVERY FROM BOVINE ACETONEMIA THROUGH INSULIN THERAPY]** Soldati D *Schweiz Arch Tierheilkd* 116:155-6, Mar 74 (Ita)

### INSULIN-LIKE ACTIVITY, NONSUPPRESSIBLE

**HYPOLYCEMIA IN ASSOCIATION WITH EXTRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA NSILA-S BY A NEW RADIORECEPTOR ASSAY.** Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)

### INSULINOMA

**CURRENT CONCEPTS IN DIAGNOSIS OF INSULINOMA.** Alsever RN, Stjernholm MR *Rocky Mt Med J* 71:209-12, Apr 74 (Eng)

**PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE.** Nunes-Correa J, Lowy C, Sonksen PH *Lancet* 1:837-41, 4 May 74 (Eng)

### INTACT CELL

**NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS.** Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

### INTERCONVERSION

**INTERCONVERTIBLE FORMS OF PHOSPHOFRUCTOKINASE OF RABBIT**

**LIVER. THE ROLE OF EFFECTORS ON THE INTERCONVERSION.** Ramaiah A, Tejwani GA *Eur J Biochem* 39:183-92, 1 Nov 73 (Eng)

### INTERNAL MEDICINE

**[THE SECONDARY DISEASE IN INTERNAL MEDICINE (ANTIBACTERIAL CHEMOTHERAPY)]** Hitznerberger G *Int J Clin Pharmacol* 8:282-91, Dec 73 (Ger)

**[CEREBRAL STROKES OCCURRING AMONG DIABETICS TREATED AT A DEPARTMENT OF INTERNAL MEDICINE]** Szulc EJ *Wiad Lek* 27:695-9, Apr 74 (Pol)

### INTESTINE, SMALL

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**[DISORDER OF THE ABSORPTIVE FUNCTION OF THE SMALL INTESTINE AND OF PARIENTAL DIGESTION IN ACUTE DYSENTERY]** Iushchuk ND *Sov Med* 36:27-30, May 73 (Rus)

**EXTRACELLULAR SPACE IN THE EPITHELIUM OF RATS SMALL INTESTINE.** Esposito G, Csaky TZ *Am J Physiol* 226:50-5, Jan 74 (Eng)

### INTESTINE, SMALL TOAD

**EFFECTS OF MUCOSAL HYPEROSMOLARITY ON ACTIVE SUGAR TRANSPORT AND THE SUGAR-EVOKED POTENTIAL IN ISOLATED SMALL INTESTINE OF THE TOAD.** Saito Y, Hoshi T *Jap J Physiol* 23:419-34, Aug 73 (Eng)

### INTRA-ARTICULAR INJECTION

**INTRA-ARTICULAR INJECTION OF FLUMETHASONE SUSPENSION IN NORMAL JOINTS OF HORSES.** Van Pelt RW *Equine Vet J* 5:162-70, Oct 73 (Eng)

### INTRADUODENAL

**RELATIONSHIP BETWEEN INTRADUODENAL LIPOLYSIS AND GASTRIC EMPTYING.** Bustos Fernandez L, Gonzalez E, Marzi A *Acta Gastroenterol Latinoam* 5:57-60, Apr-Jun 73 (Eng)

### INTRAVENOUS ADMINISTRATION

**[MOTOR FUNCTION OF THE STOMACH IN PATIENTS WITH DUODENAL ULCER AFTER INTRAVENOUS ADMINISTRATION OF INSULIN BEFORE AND AFTER SELECTIVE VAGOTOMY]** Babichenko ME *Klin Khir* 12:11-6, Dec 73 (Rus)

### INTRAVENOUS FEEDING

**LETTER: INTRAVENOUS FEEDING.** Flear CT *Lancet* 1:757-8, 20 Apr 74 (Eng)

### IRANIAN WORKER

**[NATURAL HISTORY OF CORONARY ATHEROSCLEROSIS IN IRANIAN WORKERS]** Daneche Pajouh M, Montazami K, Hedayat C, Kamali P, Pirouzmande B *Arch Mal Coeur* 66:1201-10, Sep 73 (Fre)

### IRON

**HISTOCHEMICAL DEMONSTRATION OF RAT LIVER GLYCOGEN PHOSPHORYLASE ACTIVITY WITH IRON (Fe<sup>00</sup>).** Lindberg LA *Histochemie* 36:355-65, 1973 (Eng)

**ENERGY-DEPENDENT ACCUMULATION OF IRON BY ISOLATED RAT LIVER MITOCHONDRIA. II. RELATIONSHIP TO THE ACTIVE TRANSPORT OF CA<sup>20</sup>.** Romslo

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### IRON, SERUM

I, Flatmark T *Biochim Biophys Acta* 325:38-46, 19 Oct 73 (Eng)

### IRON, SERUM

SERUM IRON LEVELS IN OSTENSIBLY NORMAL PEOPLE. Crosby WH, Likhite VV, O'Brien JE, Forman D *JAMA* 227:310-2, 21 Jan 74 (Eng)

### ISLET

EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brodin S *Biochem Biophys Res Commun* 56:1045-51, 27 Feb 74 (Eng)

### ISLET CELL ADENOMA

NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW. Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

### ISLET CELL TUMOR

THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS. Castro A, Buist NR *Clin Biochem* 7:81-7, Mar 74 (Eng)

### ISLET OF LANGERHANS

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)] Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena)* 46:15-24, 1973 (Ger)

[THE HISTOCHEMICAL EVIDENCE OF INSULIN IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)] Dorn A, Lorenz D, Petermann J, Beckert R *Acta Histochem (Jena)* 46:42-8, 1973 (Ger)

### ISOCALORIC DIET

[BASAL AND NORADRENALIN-STIMULATED LIPOLYSIS IN ISOLATED HUMAN FAT CELLS UNDER ISOCALORIC AND HYPOCALORIC DIET (AUTHORS TRANSL.)] Lisch HJ, Dittich P, Sailer S, Sandhofer F, Braunsteiner H *Klin Wochenschr* 51:735-7, 15 Jul 73 (Ger)

### ISOENZYME

A STUDY OF SOME ENZYMES AND ISOENZYMES OF CARBOHYDRATE METABOLISM IN HUMAN ENDOMETRIUM DURING THE MENSTRUAL CYCLE. Spellman CM, Fottrell PF, Baynes S, O'Dwyer EM, Clinch JD *Clin Chim Acta* 48:259-68, 30 Oct 73 (Eng)

[PURIFICATION AND PROPERTIES OF ISOENZYMES OF ADENYLATE KINASE] Mebs D *Beitr Gerichl Med* 31:295-6, 1973 (Ger)

### ISOENZYME PATTERN

THE METABOLISM OF THE SMALL INTESTINE: DIETARY INDUCTION, SUBCELLULAR DISTRIBUTION AND ISOENZYME PATTERN OF SOME KEY ENZYMES OF GLUCOSE METABOLISM IN OVINE JEJUNAL MUCOSA. Wahle KW *Comp Biochem Physiol [B]* 46:727-39, Dec 73 (Eng)

### ISOFLURANE

ENFLURANE (ETHRANE) AND ISOFLURANE (FORANE): A COMPARISON WITH NINE GENERAL ANAESTHETICS DURING STRESS OF HYPOXIA (SPONTANEOUS

BREATHING). Dobkin AB, Byles PH, Levy AA *Can Anaesth Soc J* 20:782-97, Nov 73 (Eng)

### ISOLEUCINE EFFECT

EFFECTS OF LEUCINE AND ISOLEUCINE ON NICOTINAMIDE NUCLEOTIDES OF ERYTHROCYTES. Belavady B, Rao PU, Khan L *Int J Vitam Nutr Res* 43:442-53, Apr 73 (Eng)

### ISOZYME, SKELETAL MUSCLE

BOVINE PYRUVATE KINASES. 3. HYBRIDS OF THE LIVER AND SKELETAL MUSCLE ISOZYMES. Dyson RD, Cardenas JM *J Biol Chem* 248:8482-8, 25 Dec 73 (Eng)

### JEJUNAL MUCOSA ISOENZYME PATTERN

THE METABOLISM OF THE SMALL INTESTINE: DIETARY INDUCTION, SUBCELLULAR DISTRIBUTION AND ISOENZYME PATTERN OF SOME KEY ENZYMES OF GLUCOSE METABOLISM IN OVINE JEJUNAL MUCOSA. Wahle KW *Comp Biochem Physiol [B]* 46:727-39, Dec 73 (Eng)

### JEJUNOILEOSTOMY

[MALABSORPTION CAUSED BY JEJUNOILEOSTOMY AS SURGICAL THERAPY OF EXTREME ADIPOSITAS] Husemann B *Chirurg* 45:13-6, Jan 74 (Ger)

### JEJUNUM, RAT

THE INFLUENCE OF BLOOD FLOW ON THE ABSORPTION OF 3-O-METHYLGLUCOSE FROM THE JEJUNUM OF THE RAT. Lichtenstein B, Winne D, Naunyn Schmiedeberg Arch *Pharmacol* 279:153-72, 14 Sep 73 (Eng)

### JOINT, HORSE

INTRA-ARTICULAR INJECTION OF FLUMETHASONE SUSPENSION IN NORMAL JOINTS OF HORSES. Van Pelt RW *Equine Vet J* 5:162-70, Oct 73 (Eng)

### JUVENILE DIABETES

[INFRARED THERMOVISION AND JUVENILE DIABETES] Stavratjev M, Stavratjevo A, Osickova L *Cesk Pediatr* 29:145-7, Mar 74 (Cze)

### JUVENILE DIABETES MELLITUS

[JUVENILE DIABETES MELLITUS AND SELECTIVE IGA DEFICIENCY] Cser A, Ambrus M, Bajtai G, Heim T, Varga F *Orv Hetil* 115:803-6, 7 Apr 74 (Hun)

IMPAIRED LEUKOTACTIC RESPONSIVENESS IN PATIENTS WITH JUVENILE DIABETES MELLITUS. Hill HR, Sauls HS, Dettloff JL, Quie PG *Clin Immunol Immunopathol* 2:395-403, Apr 74 (Eng)

### JUVENILE DIABETIC

THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC. Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)

### KETOACIDOSIS, DIABETIC

LETTER: DIABETIC KETOACIDOSIS. Callaway CW, Palumbo PJ *Lancet* 1:869, 4 May 74 (Eng)

### KETONE BODY METABOLISM

RENAL KETONE BODY METABOLISM AND GLUCONEOGENESIS IN NORMAL AND HYPOGLYCEMIC SHEEP. Kaufman CF, Bergman EN *Am J Physiol* 226:827-32, Apr 74 (Eng)

### KETONE, RENAL

RENAL KETONE BODY METABOLISM AND GLUCONEOGENESIS IN NORMAL AND HYPOGLYCEMIC SHEEP. Kaufman CF, Bergman EN *Am J Physiol* 226:827-32, Apr 74 (Eng)

### KETOSIS

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnava H *Diabetes* 23:268-75, Apr 74 (Eng)

### KEY ENZYME

THE METABOLISM OF THE SMALL INTESTINE: DIETARY INDUCTION, SUBCELLULAR DISTRIBUTION AND ISOENZYME PATTERN OF SOME KEY ENZYMES OF GLUCOSE METABOLISM IN OVINE JEJUNAL MUCOSA. Wahle KW *Comp Biochem Physiol [B]* 46:727-39, Dec 73 (Eng)

THE EFFECT OF ETHIONINE ON THE ENERGY PRODUCING METABOLISM IN THE RAT PANCREAS. I. THE INFLUENCE ON THE ACTIVITIES OF KEY ENZYMES OF VARIOUS METABOLIC PATHWAYS. Goebell H, Schmitz-Moormann P *Horm Metab Res* 5:435-9, Nov 73 (Eng)

### KIDNEY PRESERVATION

LIPID CONCENTRATION IN CRYOPRECIPITATED PLASMA USED AS PERFUSION FLUID FOR KIDNEY PRESERVATION. Brons M, Jensen EH *Scand J Urol Nephrol* 8:27-30, 1974 (Eng)

### KIDNEY, RAT

THE ROLE OF THE CONVOLUTED SEGMENT OF THE PROXIMAL TUBULE IN THE DISPOSAL OF 131-I-INSULIN IN THE RAT KIDNEY. Sottirai V *Am J Anat* 140:181-90, Jun 74 (Eng)

INTERACTIONS OF PARATHYROID HORMONE AND PLASMA MEMBRANES FROM RAT KIDNEY. Malbon CG, Zull JE *Biochem Biophys Res Commun* 56:952-8, 27 Feb 74 (Eng)

### KIMMELSTIEL WILSON SYNDROME

[DEATHS CAUSED BY CHRONIC PYELONEPHRITIS AND KIMMELSTIEL-WILSON SYNDROME AMONG DIABETICS] Torzecka W, Mrosczyk M, Jurga-Waniek K *WHO Tech Rep Ser* 27:405-9, 1 Mar 74 (Pol)

### KINASE

SEDOHEPTULOSE-7-PHOSPHATE KINASE ACTIVITY OF PHOSPHOFRUCTOKINASE FROM THE DIFFERENT TISSUES OF RABBIT. Karadsheh NS, Tejwani GA, Ramaiah A *Biochim Biophys Acta* 327:66-81, 15 Nov 73 (Eng)

### 125I-LABELED HORMONE

PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION. Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

### LABORATORY, MOUSE

EFFECTS OF GENOTYPE, SUGAR, AND CONCENTRATION ON SUGAR PREFERENCE OF LABORATORY MICE (MUS MUSCULUS). Stockton MD, Whitney G *J Comp Physiol Psychol* 86:62-8, Jan 74 (Eng)

### LABORATORY WORK

[THE GENERAL PRACTITIONERS LABORATORY WORK] Bitzen PO *Nord Med* 89:113-5, Apr 74 (Swe)

### LACTATE

[A MICROMETHOD FOR THE DETERMINATION OF LACTATE, PYRUVATE AND GLUCOSE FROM 0.1 ML OF BLOOD] Pannier R, Klimt F *Z Med Labtech* 14:285-94, 1973 (Ger)

## LIPOLYTIC ACTIVITY

### LACTATE DEHYDROGENASE

MULTIPLE IMMOBILIZED ENZYME REACTORS: DETERMINATION OF PYRUVATE AND PHOSPHOENOLPYRUVATE CONCENTRATIONS USING IMMOBILIZED LACTATE DEHYDROGENASE AND PYRUVATE KINASE. Newirth TL, Diegelman MA, Pye EK, Kallen RG *Biotechnol Bioeng* 15:1089-100, Nov 73 (Eng)

### LACTATE INFUSION EFFECT

EFFECT OF LACTATE INFUSION ON CANINE MYOCARDIAL FREE FATTY ACID METABOLISM IN VIVO. Spitzer JJ *Am J Physiol* 226:213-7, Jan 74 (Eng)

### LACTATING, GOAT

1 CARBON 14-LABELED PALMITIC ACID METABOLISM IN FASTED, LACTATING GOATS FOLLOWING NICOTINIC ACID ADMINISTRATION. Waterman R, Schultz LH *J Dairy Sci* 56:1569-74, Dec 73 (Eng)

### LACTIC STREPTOCOCCUS

CARBOHYDRATE METABOLISM IN LACTIC STREPTOCOCCI: FATE OF GALACTOSE SUPPLIED IN FREE OR DISACCHARIDE FORM. Lee R, Molskness T, Sandine WE, El-laker PR *Appl Microbiol* 26:951-8, Dec 73 (Eng)

### LACTOSE

[UTILIZATION OF ALIMENTARY CARBOHYDRATES IN THE FATTENING CALF. 2. LACTOSE, SACCHAROSE, FRUCTOSE] Gropp J *Z Tierphysiol* 32:144-63, Nov 73 (Ger)

### LACTOSE MALABSORPTION

LACTOSE MALABSORPTION IN ETHIOPIAN CHILDREN. Habte D, Sterky G, Hjalmarsson B *Acta Paediatr Scand* 62:649-54, Nov 73 (Eng)

### LACTOSE TOLERANCE TEST

LACTOSE TOLERANCE TEST ON INDONESIAN NEWBORN INFANTS. Surjono A, Surjantoro, Sadjimin T, Ismangun *Paediatr Indones* 13:11-6, Jan 73 (Eng)

### LAMB

THE UTILIZATION BY GROWING LAMBS OF A CASEIN-SAFFLOWER OIL SUPPLEMENT TREATED WITH FORMALDEHYDE. Faichney GH, Scott TW, Cook LJ *Aust J Biol Sci* 26:1179-88, Oct 73 (Eng)

### LATENT DIABETES

[STATE OF THE PERIODONTIUM IN PATIENTS WITH LATENT DIABETES] Atahacoba E, Dobrev DI, Indzhov B *Stomatologia (Sofia)* 55:276-80, Jul-Aug 73 (Bul)

### LATIMERIA CHALUMNAE SMITH

SERUM COMPOSITION OF THE COELACANTH, LATIMERIA CHALUMNAE SMITH. Griffith RW, Umminger BL, Grant BF, Pang PK, Pickford GE *J Exp Zool* 187:87-102, Jan 74 (Eng)

### LAURYL SULPHATE EFFECT

A COMPARATIVE STUDY ON THE EFFECT OF FLUORIDE, LAURYL SULPHATE AND CHLORHEXIDINE ON GLUCOSE UTILIZATION IN RAT INTESTINAL MUCOSAL CELLS. Olsen I, Sogner E *Acta Pharmacol Toxicol (Kbh)* 33:348-52, 1973 (Eng)

### LEAD

LEAD AND SOME OTHER METALS IN THE HISTOCHEMICAL DEMONSTRATION OF RAT LIVER GLYCOGEN PHOSPHORYLASE ACTIVITY. Lindberg LA *Histochemie* 36:347-53, 1973 (Eng)

### LEAN RAT

URINARY AND FECAL EXCRETION AND INCORPORATION OF 14C-ESTRADIOL IN FAT DEPOTS OF OBESE AND LEAN RATS. Innamì S, Yang MG, Mickelsen O *Proc Soc Exp Biol Med* 144:220-4, 1 Oct 73 (Eng)

### LECITHIN SPHINGOMYELIN AREA RATIO

ESTIMATING LECITHIN-SPHINGOMYELIN AREA RATIO IN AMNIOTIC FLUID. A MODIFIED METHOD FOR THE PREDICTION OF NEONATAL RESPIRATORY DISTRESS. Richardson DG *S Afr Med J* 48:690-4, 6 Apr 74 (Eng)

### LENS, BOVINE

PROCEEDINGS: GLYCOGEN METABOLISM IN BOVINE LENSES. Ohrloff C, Hockwin O, Holstege A *Exp Eye Res* 17:401, 25 Nov 73 (Eng)

### LEUCINE EFFECT

EFFECTS OF LEUCINE AND ISOLEUCINE ON NICOTINAMIDE NUCLEOTIDES OF ERYTHROCYTES. Belavady B, Rao PU, Khan L *Int J Vitam Nutr Res* 43:442-53, Apr 73 (Eng)

### LEUKOTACTIC RESPONSIVENESS

IMPAIRED LEUKOTACTIC RESPONSIVENESS IN PATIENTS WITH JUVENILE DIABETES MELLITUS. Hill HR, Sauls HS, Dettloff JL, Quie PG *Clin Immunol Immunopathol* 2:395-403, Apr 74 (Eng)

### LIGHT COAGULATOR

PORTABLE XENON ARC LIGHT COAGULATOR. O'Malley P *Br J Ophthalmol* 57:935-44, Dec 73 (Eng)

### LIGHT MICROSCOPY

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

ONCOCYTES IN THE ANTERIOR LOBE OF THE HUMAN PITUITARY GLAND. A LIGHT AND ELECTRON MICROSCOPIC STUDY. Kovacs K, Horvath E, Bilbao JM *Acta Neuropathol (Berl)* 27:43-53, 7 Feb 74 (Eng)

### LIPASE, HORMONE SENSITIVE

INACTIVATION OF HORMONE-SENSITIVE LIPASE FROM ADIPOSE TISSUE WITH ADENOSINE TRIPHOSPHATE, MAGNESIUM, AND ASCORBIC ACID. Tsai SC, Fales HM, Vaughan M *J Biol Chem* 248:5278-81, 10 Aug 73 (Eng)

### LIPID

[LIPID AND FATTY ACID COMPOSITION OF NERVOUS TISSUE PHOSPHOLIPIDS OF SQUID, LOBSTER, DOGFISH AND COD] Noren R, Svennerholm L *Zh Evol Biokhim Fiziol* 9:225-34, May-Jun 73 (Rus)

LIPIDS BIOSYNTHESIS FROM ACETATE IN NORMAL RAT EPIDERMIS. Okido M, Sugihara I, Ono M *Jap J Dermatol* [8] 82:80-3, Sep 72 (Eng)

LIPID CONCENTRATION IN CRYOPRECIPITATED PLASMA USED AS PERFUSION FLUID FOR KIDNEY PRESERVATION. Brons M, Jensen EH *Scand J Urol Nephrol* 8:27-30, 1974 (Eng)

### LIPID COMPOSITION

LIPID COMPOSITION AND METABOLIC ACTIVITY OF SUBCELLULAR FRACTIONS ISOLATED FROM RABBIT ATHEROSCLEROTIC LESIONS. Proudlock JW, Day AJ, Naughton JM *Exp Mol Pathol* 19:389-401, Dec 73 (Eng)

### LIPID MEMBRANE, BIMOLECULAR

CONTRIBUTION TO THE ELECTROCHEMISTRY OF BIMOLECULAR LIPID MEMBRANES. Karvaly B, Rosenberg B, Pant HC, Kemény G *Biophysik* 10:199-212, 1973 (Eng)

### LIPID METABOLISM

EFFECT OF THYROID HORMONES AND DIETARY FAT ON THE INTERRELATION OF LIPID AND CARBOHYDRATE METABOLISM IN RATS. Felt V *Endocrinol Exp (Bratisl)* 7:283-91, 1973 (Eng)

[INVESTIGATIONS CONCERNING THE INCIDENCE OF DISORDERS OF LIPID AND CARBOHYDRATE METABOLISM IN PRIMARY GOUT AND SYMPTOMLESS HYPERURICAEMIA (AUTHORS TRANSL)] Frank O *Wien Klin Wochenschr* 86:252-6, 3 May 74 (Ger)

### LIPID MOBILIZATION

[EFFECTS OF ANTIDIABETIC BIGUANIDES ON VARIOUS TYPES OF LIPID MOBILIZATION IN THE RABBIT] Marquie G, Agid R *J Physiol (Paris)* 66:345-56, Sep 73 (Fre)

### LIPID, PLASMA

GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS. Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL *J Anim Sci* 37:1419-27, Dec 73 (Eng)

### LIPOTROPHIC DIABETES, FAMILIAL

FAMILIAL LIPOATROPHIC DIABETES WITH DOMINANT TRANSMISSION. A NEW SYNDROME. Dunnigan MG, Cochran MA, Kelly A, Scott JW *Q J Med* 43:33-48, Jan 74 (Eng)

### LIPOGENESIS

LIPOGENESIS AND INSULIN SENSITIVITY OF SINGLE FAT CELLS. Gliemann J, Vinten J *J Physiol (Lond)* 236:499-516, Feb 74 (Eng)

### LIPOGENESIS, ADIPOSE TISSUE

THE EFFECT OF MATERNAL MALNUTRITION ON THE PROGENY IN THE RAT. STUDIES IN VITRO OF ADIPOSE TISSUE LIPOGENESIS AND LIPOPROTEIN LIPASE ACTIVITY FOLLOWING FRUCTOSE FEEDING. McLeod KI, Nestel PJ, Goldrick RB *Aust J Exp Biol Med Sci* 51:811-24, Dec 73 (Eng)

### LIPOLYSIS

IN VITRO INHIBITION OF LIPOLYSIS BY PYRIMETHAMINE IN BLOOD FROM DUCKS PARASITIZED WITH PLASMODIUM LOPHURAE. Hart LT, Dimopoulos GT, Mandhare KS *Avian Dis* 17:752-7, Oct-Dec 73 (Eng)

RELATIONSHIP BETWEEN INTRADUODENAL LIPOLYSIS AND GASTRIC EMPTYING. Bustos Fernandez L, Gonzalez E, Marzi A *Acta Gastroenterol Latinoam* 5:57-60, Apr-Jun 73 (Eng)

[BASAL AND NORADRENALIN-STIMULATED LIPOLYSIS IN ISOLATED HUMAN FAT CELLS UNDER ISOCALORIC AND HYPICALORIC DIET (AUTHORS TRANSL)] Lisch HJ, Dittrich P, Sailer S, Sandhofer F, Braunsteiner H *Klin Wochenschr* 51:735-7, 15 Jul 73 (Ger)

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnav H *Diabetes* 23:268-75, Apr 74 (Eng)

### LIPOLYTIC ACTIVITY

LIPOLYTIC ACTIVITY OF MET-ARG-HIS-PHE-ARG-TRP-GLY, A SYNTHETIC ANALOG OF THE ACTH (4-10) CORE SEQUENCE. Draper

# LIPOMA

MW, Merrifield RB, Rizack MA *J Med Chem* 16:1326-30, Dec 73 (Eng)

# LIPOMA

REGULATORY DEFECT OF GLYCOLYSIS IN HUMAN LIPOMA. Atkinson JN, Galton DJ, Gilbert C *Br Med J* 1:101-2, 19 Jan 74 (Eng)

# LIPOLYSACCHARIDE

STUDIES ON THE URIDINE DIPHOSPHATE-GALACTOSE: LIPOLYSACCHARIDE GALACTOSYLTRANSFERASE REACTION USING A FATTY ACID MUTANT OF *ESCHERICHIA COLI*. Beacham IR, Silbert DF *J Biol Chem* 248:5310-8, 10 Aug 73 (Eng)

# LIPOPROTEIN LIPASE

[STUDY OF PLASMA LEVELS OF FREE FATTY ACIDS AND LIPOPROTEIN LIPASE ACTIVITY IN PATIENTS WITH NEPHROTIC SYNDROME CAUSED BY INTRINSIC RENAL DISEASE] Faria CV de, Diamant J, Giannini SD *Rev Hosp Clin Fac Med Sao Paulo* 28:305-9, Nov-Dec 73 (Por)

THE EFFECT OF MATERNAL MALNUTRITION ON THE PROGENY IN THE RAT. STUDIES IN VITRO OF ADIPOSE TISSUE LIPOGENESIS AND LIPOPROTEIN LIPASE ACTIVITY FOLLOWING FRUCTOSE FEEDING. McLeod KI, Nestel PJ, Goldrick RB *Aust J Exp Biol Med Sci* 51:811-24, Dec 73 (Eng)

# LITHIASIS

FAMILIAL CHRONIC PANCREATITIS ASSOCIATED WITH PANCREATIC LITHIASIS. Sato T, Saito Y *Am J Surg* 127:511-7, May 74 (Eng)

# LITHIUM ION

INFLUENCE OF LITHIUM IONS ON EPINEPHRINE-STIMULATED ADENYLATE CYCLASE ACTIVITY IN CULTURED GLIAL TUMOR CELLS. Schimmer BP *Biochim Biophys Acta* 327:186-92, 15 Nov 73 (Eng)

# LIVER

THE EFFECT OF THYMECTOMY ON THE FATTY ACID CONCENTRATION OF PLASMA, LIVER AND FAT PADS. Nardell BE *J Baltimore Coll Dent Surg* 28:18-34, Jul 73 (Eng)

COLD ADAPTATION. 3. EFFECTS OF CATECHOLAMINES AND THYROID HORMONE ON INDUCTION OF LIVER PHOSPHOENOLPYRUVATE CARBOXYKINASE ON COLD-EXPOSURE. Nagai K, Nakagawa H *J Biochem (Tokyo)* 74:873-9, Nov 73 (Eng)

KINETIC ANALYSIS OF PARTIALLY PURIFIED GLUCOSE-6-PHOSPHATE DEHYDROGENASES FROM RAT MUSCLE, ADIPOSE TISSUE AND LIVER, AND FROM BAKERS YEAST. Geisler RW, McClure AM, Hansen RJ *Biochim Biophys Acta* 327:1-10, 15 Nov 73 (Eng)

A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA0-K0 ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng)

STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS. Vinik AI, Deppe WM *S Afr Med J* 74:518-24, 31 Mar 74 (Eng)

A STABILIZING FACTOR FOR LIVER PHOSPHOFRUCTOKINASE. Dunaway GA Jr, Segal HL *Biochem Biophys Res Commun* 56:689-96, 4 Feb 74 (Eng)

# LIVER DISEASE

[EFFECT OF SINGLE ADMINISTRATION OF FUROSEMIDE IN PATIENTS WITH CHRONIC LIVER DISEASE] Dzurikova V, Brixova E, Niederland TR *Bratislav Lek Listy* 61:336-43, Mar 74 (Slo)

# LIVER GLYCOGEN

LIVER GLYCOGEN CONTENT IN MAN IN THE POSTABSORPTIVE STATE. Nilsson LH *Scand J Clin Lab Invest* 32:317-23, Dec 73 (Eng)

# LIVER ISOZYME HYBRID

BOVINE PYRUVATE KINASES. 3. HYBRIDS OF THE LIVER AND SKELETAL MUSCLE ISOZYMES. Dyson RD, Cardenas JM *J Biol Chem* 248:8482-8, 25 Dec 73 (Eng)

# LIVER NUCLEI, RAT

CHANGES IN ADENOSINE 3,5-MONOPHOSPHATE LEVEL AND PROTEIN KINASE ACTIVITY BY GLUCAGON IN RAT LIVER NUCLEI. Higashino H, Takeda M *J Biochem (Tokyo)* 75:189-91, Jan 74 (Eng)

# LIVER, PIGEON

REDUCTION OF ALPHA-OXO CARBOXYLIC ACIDS BY PIGEON LIVER MALIC ENZYME. Tang CL, Hsu RY *Biochem J* 135:287-91, Oct 73 (Eng)

# LIVER, RABBIT

INTERCONVERTIBLE FORMS OF PHOSPHOFRUCTOKINASE OF RABBIT LIVER. THE ROLE OF EFFECTORS ON THE INTERCONVERSION. Ramaiah A, Tejwani GA *Eur J Biochem* 39:183-92, 1 Nov 73 (Eng)

# LIVER, RAT

[EFFECT OF THE BRAND OF DIETARY FAT ON RATS LIVER. V. ALKALINE PHOSPHATASE IN SERUM AND THE LIVER] Opuszynska T *Rocz Panstw Zakl Hig* 24:597-603, 1973 (Pol)

DECREASED PROTEIN SYNTHESIS BY MICROSOMES ISOLATED FROM SENESCENT RAT LIVER. Buetow DE, Gandhi PS *Exp Gerontol* 8:243-9, Oct 73 (Eng)

STUDIES ON THE CIRCADIAN RHYTHM OF PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY IN RATS. II. EFFECT OF THE AUTONOMIC NERVOUS SYSTEM ON THE RHYTHM IN LIVER. Nagai K, Suda M, Nakagawa H *J Biochem (Tokyo)* 74:863-71, Nov 73 (Eng)

EFFECT OF CERTAIN METABOLIC REGULATORS ON THE ACTIVITY OF LYSOSOMAL ENZYMES IN REGENERATING RAT LIVER. Chatterjee J, Pal DR, Majumder PK, Chatterjee GC *Biochem Pharmacol* 23:752-4, 1 Feb 74 (Eng)

[INHIBITION OF THE ACTIVITY OF KEY GLYCOLYTIC ENZYMES IN RAT LIVERS FOLLOWING PROLONGED INSULIN ADMINISTRATION] Gordienko OE, Chesnokov VN, Mertvetsov NP, Salganik RI *Probl Endokrinol (Mosk)* 19:78-82, Jul-Aug 73 (Rus)

[DEMONSTRATION OF RAT LIVER HEXOKINASE ISOENZYMES BY MEANS OF AGAR GEL ELECTROPHORESIS] Chesnokov VN, Gordienko OE, Mertvetsov NP *Vopr Med Khim* 19:498-501, Sep-Oct 13 (Rus)

HORMONAL REGULATION OF TYROSINE TRANSAMINASE SYNTHESIS IN ISOLATED, RAT LIVER PERFUSED WITH SYNTHETIC MEDIUM. Otsuka H *J Biochem (Tokyo)* 75:53-8, Jan 74 (Eng)

# LOBSTER

[LIPID AND FATTY ACID COMPOSITION OF NERVOUS TISSUE PHOSPHOLIPIDS OF SQUID, LOBSTER, DOGFISH AND COD] Norén R, Svennerholm L *Zh Evol Biokhim Fiziol* 9:225-34, May-Jun 73 (Rus)

# LONG TERM

[LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLOPROPAMIDE-METFORMIN] Schulte J, Garcia Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)

# LONG TERM PROGNOSIS

SURVIVAL RATES IN SURGERY OF THE AGED. ASSESSMENT OF LONG-TERM PROGNOSIS ACCORDING TO COEXISTING DISEASES. Andersen B, Ostberg J *Gerontol Clin (Basel)* 14:354-60, 1972 (Eng)

# LONGITUDINAL BONE

EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorgren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

EFFECT OF THYROXINE AND GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorgren KG, Hansson LI *Acta Endocrinol (Kbh)* 74:24-40, Sep 73 (Eng)

# LONGSHOREMAN

FACTORS PREDISPOSING TO FATAL STROKE IN LONGSHOREMAN. Paffenbarger RS Jr *Prev Med* 1:522-8, Dec 72 (Eng)

# LOW DENSITY LIPOPROTEIN

THE METABOLISM OF LDL. Myant NB *Adv Exp Med Biol* 38:53-67, 1973 (Eng)

# LOWER EXTREMITY

[DISTRIBUTION OF OBLITERATING ATHEROSCLEROSIS OF THE ARTERIES OF THE LOWER EXTREMITIES AND ITS RELATIONSHIP TO ISCHEMIC HEART DISEASE] Dokuchaeva EA *Kardiologia* 14:131-6, Feb 74 (Rus)

# LOWER LIMB

MORTALITY OF DIABETIC PATIENTS TREATED SURGICALLY FOR LOWER LIMB INFECTION AND OR GANGRENE. Kahn O, Wagner W, Bessman AN *Diabetes* 23:287-92, Apr 74 (Eng)

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# LUNG, PERFUSED RAT

NET UPTAKE OF GLUCOSE, GLYCEROL, AND FATTY ACIDS BY THE ISOLATED PERFUSED RAT LUNG. Rhoades RA *Am J Physiol* 226:144-9, Jan 74 (Eng)

# LUNG, RABBIT

ADENYLATE CYCLASE ACTIVITY IN IMMATURE RABBIT LUNG. Barrett CT, Sevanian A, Kaplan SA *Pediatr Res* 8:244-7, Apr 74 (Eng)

# LUTEINIZING HORMONE

LONG-TERM THERAPY WITH LOW-DOSE CISCLIMPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH,

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- TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE.** Reyes FI, Faiman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]
- LYMPH NODE METASTASIS**
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- LYMPHATIC SYSTEM**
- [MECHANISM OF ACTION OF GLUCOCORTICOIDES ON THE LYMPHATIC SYSTEM]** Bojar H, Staib W *Hippokrates* 44:318-21, Oct 73 (Ger) [18]
- LYSINE**
- INFLUENCE OF FLOW RATE ON THE KINETICS OF THE INTESTINAL ABSORPTION OF GLUCOSE AND LYSINE IN CHILDREN.** Rey F, Drillet F, Schmitz J, Rey J *Gastroenterology* 66:79-85, Jan 74 (Eng)
- LYSOSOMAL ENZYME**
- EFFECT OF CERTAIN METABOLIC REGULATORS ON THE ACTIVITY OF LYSOSOMAL ENZYMES IN REGENERATING RAT LIVER.** Chatterjee J, Pal DR, Majumder PK, Chatterjee GC *Biochem Pharmacol* 23:752-4, 1 Feb 74 (Eng)
- LYSYL RESIDUE**
- 3-DIAZOQUINOLINE TETRAFLUOROBORATE AS A REAGENT FOR SPECIFIC MODIFICATION OF LYSYL RESIDUES: UNIQUE STRUCTURE OF THE REACTION PRODUCT.** Kanazawa M, Ishii S *Biochim Biophys Acta* 342:155-9, 14 Mar 74 (Eng)
- MACACA NIGRA**
- CORRELATIONS OF SERUM TRIGLYCERIDE AND PREBETALIPOPROTEIN LEVELS TO THE SEVERITY OF SPONTANEOUS DIABETES IN MACACA NIGRA.** Howard CF Jr *J Clin Endocrinol Metab* 38:856-60, May 74 (Eng)
- MAGNESIUM**
- INACTIVATION OF HORMONE-SENSITIVE LIPASE FROM ADIPOSE TISSUE WITH ADENOSINE TRIPHOSPHATE, MAGNESIUM, AND ASCORBIC ACID.** Tsai SC, Fales HM, Vaughan M *J Biol Chem* 248:5278-81, 10 Aug 73 (Eng)
- MALABSORPTION**
- [MALABSORPTION CAUSED BY JEJUNOILEOSTOMY AS SURGICAL THERAPY OF EXTREME ADIPOSITAS]** Husemann B *Chirurg* 45:13-6, Jan 74 (Ger)
- MALE INFERTILITY**
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- MALE RAT**
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- MALIC ENZYME**
- REDUCTION OF ALPHA-OXO CARBOXYLIC ACIDS BY PIGEON LIVER MALIC ENZYME.** Tang CL, Hsu RY *Biochem J* 135:287-91, Oct 73 (Eng)
- MALNUTRITION**
- THE EFFECT OF MATERNAL MALNUTRITION ON THE PROGENY IN THE RAT. STUDIES IN VITRO OF ADIPOSE TISSUE LIPOGENESIS AND LIPOPROTEIN LIPASE ACTIVITY FOLLOWING FRUCTOSE FEEDING.** McLeod KI, Nestel PJ, Goldrick RB *Aust J Exp Biol Med Sci* 51:811-24, Dec 73 (Eng)
- MALTODEXTRIN PHOSPHORYLASE**
- REGULATION OF MALTODEXTRIN PHOSPHORYLASE SYNTHESIS IN ESCHERICHIA COLI BY CYCLIC ADENOSINE 3, 5-MONOPHOSPHATE AND GLUCOSE.** Chao J, Weathersbee CJ *J Bacteriol* 117:181-8, Jan 74 (Eng)
- MAMMARY CARCINOMA CELL**
- PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS.** Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)
- MAMMARY GLAND**
- SERUM AND INSULIN INITIATION OF DNA SYNTHESIS IN MAMMARY GLAND EPITHELIUM IN VITRO.** Hsueh HW, Stockdale FE *J Cell Physiol* 83:297-308, Apr 74 (Eng)
- MANGANESE ION**
- THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUABAIN AND MN00.** Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)
- MANIC-MELANCHOLIC DISORDER**
- HETEROGENEITY AND BIOCHEMICAL FINDINGS IN MANIC-MELANCHOLIC DISORDERS.** Mellerup ET, Rafaelsen OJ *Acta Psychiatr Scand* 50:104-11, 1974 (Eng)
- MANNITOL EXCRETION**
- ABSORPTION AND EXCRETION OF SORBITOL AND MANNITOL IN TRANSURETHRAL RESECTION OF THE PROSTATE.** Madsen PO, Naber KG *Invest Urol* 11:331-5, Jan 74 (Eng)
- MANNOSE**
- FRUCTOSE POTENTIATION OF MANNOSE-INDUCED INSULIN SECRETION.** Curry DL *Am J Physiol* 226:1073-6, May 74 (Eng)
- MASS SCREENING**
- [PROCEEDINGS: USE OF THE ENZYMATIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS]** Marigo S, Del Nevo G, Bini PP *Quad Sclavo Diagn* 9:95-102, Mar 73 (Ita)
- MASS SPECTROMETRY**
- POLYPEPTIDE SEQUENCING: USE OF DIPEPTIDYLAMINOPEPTIDASE I AND GAS CHROMATOGRAPHY-MASS SPECTROMETRY.** Caprioli RM, Seifert WE Jr, Sutherland DE *Biochem Biophys Res Commun* 55:67-75, 1 Nov 73 (Eng)
- MEMBRANE DEPOLARIZATION**
- MAST CELL**
- PROCEEDINGS: MAST CELL SECRETION (HISTAMINE RELEASE) INDUCED BY 48-80: CALCIUM-DEPENDENT EXOCYTOSIS INHIBITED STRONGLY BY CYTOCHALASIN ONLY WHEN GLYCOLYSIS IS RATE-LIMITING.** Douglas WW, Ueda Y *J Physiol (Lond)* 234:97P-98P, Oct 73 (Eng)
- MATURATION, PREMATURE**
- [FULLY MATURE PLACENTA AT FIFTEEN WEEKS GESTATION (EARLIEST OBSERVATION OF PREMATURE MATURATION OF THE PLACENTA) (AUTHORS TRANSL.)]** Werner C, Bender HG *Geburtshilfe Frauenheilkd* 34:104-8, Feb 74 (Ger)
- MATURITY ONSET DIABETES MELLITUS**
- FIBRINOAGGULOPATHY IN MATURITY ONSET DIABETES MELLITUS AND ATHEROSCLEROSIS.** Banerjee RN, Sahni AL, Kumar V *Thromb Diath Haemorrh* 30:123-32, 15 Sep 73 (Eng)
- MEAL**
- STUDIES OF GASTROINTESTINAL INTERACTIONS. V. GASTRIC SECRETION AND DUODENAL REFLUX IN MAN AFTER A COMPOSITE MEAL. THE INFLUENCE OF GLUCOSE ON GASTRIC SECRETION, EMPLOYING AND GASTRIC VOLUME.** Lagerlof HO, Johansson C, Ekelund K *Scand J Gastroenterol* 8:735-42, 1973 (Eng)
- MEDIUM, SYNTHETIC**
- HORMONAL REGULATION OF TYROSINE TRANSAMINASE SYNTHESIS IN ISOLATED, RAT LIVER PERFUSED WITH SYNTHETIC MEDIUM.** Otsuka H *J Biochem (Tokyo)* 75:53-8, Jan 74 (Eng)
- MEDROXYPROGESTERONE ACETATE**
- EFFECTS OF MEDROXYPROGESTERONE ACETATE ON CARBOHYDRATE METABOLISM.** Tuttle S, Turkington VE *Obstet Gynecol* 43:685-92, May 74 (Eng)
- MEDULLARY CARCINOMA**
- [MEDULLARY CARCINOMA OF THE THYROID GLAND. MORPHOLOGY, FREQUENCY, AND CLINICAL ASPECTS]** Jaques C *Schweiz Med Wochenschr* 104:565-70, 20 Apr 74 (Fre)
- MELANOCYTE STIMULATING HORMONE**
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- MEMBRANE**
- PROCEEDINGS: EFFECTS OF PHENOBARBITONE ON GLUCOSE TRANSPORT AND MEMBRANE ATP-ASE ACTIVITIES OF CEREBRAL CORTEX.** Gilbert JC *Br J Pharmacol* 44:338P-339P, Feb 72 (Eng)
- LATERAL PHASE SEPARATIONS IN MEMBRANES.** Shimshick EJ, Kleemann W, Hubbell WL, McConnell HM *J Supramol Struct* 1:285-94, 1973 (Eng)
- MEMBRANE DEPOLARIZATION**
- THE EFFECT OF PROSTAGLANDIN E1 ON NOREPINEPHRINE-INDUCED MEMBRANE DEPOLARIZATION AND CYCLIC AMP ACCUMULATION IN BROWN FAT CELLS.**

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### MEMBRANE, LIVER PLASMA

Moskowitz J, Krishna G *Pharmacology* 10:129-35, 1973 (Eng)

### MEMBRANE, LIVER PLASMA

A STUDY OF THE HORMONAL CONTROL IN VITRO OF  $\text{Na}^+\text{-K}^+$  ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

### MEMBRANE, PLASMA

PURIFICATION OF ADENOHYPHYSSEAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED ADENYLATE CYCLASE. Poirier G, De Lean A, Pelletier G, Lemay A, Labrie F *J Biol Chem* 249:316-22, 10 Jan 74 (Eng)

PHOSPHORYLATION OF ADENOHYPHYSSEAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED PROTEIN KINASE. Lemay A, Deschenes M, Lemaire S, Poirier G, Poulin L, Labrie F *J Biol Chem* 249:323-8, 10 Jan 74 (Eng)

INTERACTIONS OF PARATHYROID HORMONE AND PLASMA MEMBRANES FROM RAT KIDNEY. Malbon CG, Zull JE *Biochem Biophys Res Commun* 56:952-8, 27 Feb 74 (Eng)

### MENADIONE EFFECT

EFFECT OF MENADIONE AND OTHER FACTORS ON SUGAR-INDUCED HEART LESIONS AND HEMORRHAGIC SYNDROME IN THE PIG. Brooks CC, Nakamura RM, Miyahara AY *J Anim Sci* 37:1344-50, Dec 73 (Eng)

### MENOPAUSE

PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY. Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

### MENSTRUAL CYCLE

A STUDY OF SOME ENZYMES AND ISOENZYMES OF CARBOHYDRATE METABOLISM IN HUMAN ENDOMETRIUM DURING THE MENSTRUAL CYCLE. Spellman CM, Fottrell PF, Baynes S, O'Dwyer EM, Clinch JD *Clin Chim Acta* 48:259-68, 30 Oct 73 (Eng)

### MERCURATION

SIMULTANEOUS REDUCTION AND MERCURATION OF DISULFIDE BOND A6-A11 OF INSULIN BY MONOVALENT MERCURY. Sperling R, Steinberg IZ *Biochemistry* 13:2007-13, 7 May 74 (Eng)

### MERCURY, MONOVALENT

SIMULTANEOUS REDUCTION AND MERCURATION OF DISULFIDE BOND A6-A11 OF INSULIN BY MONOVALENT MERCURY. Sperling R, Steinberg IZ *Biochemistry* 13:2007-13, 7 May 74 (Eng)

### MESENTERY

METABOLIC CONTROL OF PERMEABILITY IN ISOLATED MESENTERY. Rasio EA *Am J Physiol* 226:962-8, Apr 74 (Eng)

### MESSANGER

THE ROLE OF MESSENGER RNA IN TYROSINE AMINOTRANSFERASE SUPERINDUCTION: EFFECTS OF CAMPTOTHECIN ON HEPATOMA CELLS IN CULTURE. Bushnell DE, Becker JE, Potter VR *Biochem Biophys Res Commun* 56:815-21, 4 Feb 74 (Eng)

### METABOLIC ACIDOSIS

[SYMPTOMATIC AND PATHOGENETIC THERAPY IN METABOLIC ACIDOSIS] Monchenko GD, Prutseva NV *Ekap Khir Anesteziol* 18:57-61, Nov-Dec 73 (Rus)

### METABOLIC ACTIVITY

LIPID COMPOSITION AND METABOLIC ACTIVITY OF SUBCELLULAR FRACTIONS ISOLATED FROM RABBIT ATHEROSCLEROTIC LESIONS. Proudlock JW, Day AJ, Naughton JM *Exp Mol Pathol* 19:389-401, Dec 73 (Eng)

### METABOLIC BEHAVIOR

[BETADRENOL INFLUENCE ON CARDIOVASCULAR AND METABOLIC BEHAVIOR IN ORAL SURGERY WITH LOCAL ANESTHESIA] Tetsch P, Brisse B, Eismann U *Dtsch Zahnärztl Z* 28:1011-5, Oct 73 (Ger)

### METABOLIC DISORDER

[METABOLIC DISORDERS IN PATIENTS WITH BILLROTH II RESECTION] Schwamberger K, Reissigl H, Falser N *Zentralbl Chir* 98:1105-10, 3 Aug 73 (Ger)

### METABOLIC PATHWAY

THE EFFECT OF ETHIONINE ON THE ENERGY PRODUCING METABOLISM IN THE RAT PANCREAS. I. THE INFLUENCE ON THE ACTIVITIES OF KEY ENZYMES OF VARIOUS METABOLIC PATHWAYS. Goebell H, Schmitz-Moormann P *Horm Metab Res* 5:435-9, Nov 73 (Eng)

### METABOLIC RATE

REGULATION OF TRANSPORT SYSTEMS: A MEANS OF CONTROLLING METABOLIC RATES. Pardee AB, Palmer LM *Symp Soc Exp Biol* 27:133-44, 1973 (Eng) [52]

### METABOLIC REGULATION

INFLUENCE OF CARDIAC SURGERY USING CARDIO-PULMONARY BYPASS ON METABOLIC REGULATION. Abe T *Jap Circ J* 38:13-21, Jan 74 (Eng)

### METABOLIC REGULATOR

EFFECT OF CERTAIN METABOLIC REGULATORS ON THE ACTIVITY OF LYSOSOMAL ENZYMES IN REGENERATING RAT LIVER. Chatterjee J, Pal DR, Majumder PK, Chatterjee GC *Biochem Pharmacol* 23:752-4, 1 Feb 74 (Eng)

### METFORMIN

[LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLOPROPAMIDE-METFORMIN] Schulte J, Garcia Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)

### METHOD, AUTOMATED

EVALUATION OF THE ADAPTATION OF THE GLUCOSE OXIDASE-PEROXIDASE-3-METHYL-2-BENZOTHAZOLINONE HYDRAZONE-N,N-DIMETHYLANILINE PROCEDURE TO THE TECHNICON SMA 12-60, AND COMPARISON WITH OTHER AUTOMATED METHODS FOR GLUCOSE. Carey RN, Feldbruegge D, Westgard JO *Clin Chem* 20:595-602, May 74 (Eng)

### 3-O-METHYLGLUCOSE

THE INFLUENCE OF BLOOD FLOW ON THE ABSORPTION OF 3-O-METHYLGLUCOSE FROM THE JEJUNUM OF THE RAT. Lichtenstein B, Winne D, Naunyn-Schmiedeberg's *Arch Pharmacol* 279:153-72, 14 Sep 73 (Eng)

### METOLAZONE EFFECT

COMPARATIVE STUDY OF THE EFFECTS OF METOLAZONE AND OTHER DIURETICS ON POTASSIUM EXCRETION. Puschett JB, Rastegar A *Clin Pharmacol Ther* 15:398-405, Apr 74 (Eng)

### MICROANGIOPATHIC LESION

KK MICE AS A MODEL OF MICROANGIOPATHIC LESIONS IN DIABETES. Duhault J, Lebon F, Boulanger M *Bibl Anat* 11:453-8, 1973 (Eng)

### MICROANGIOPATHY

THE DIAGNOSTIC SIGNIFICANCE OF THE FINGER-TIP BIOPSY IN MICROANGIOPATHIES. PATHOLOGY OF THE ARTERIOVENOUS ANASTOMOSES AND PRETERMINAL CIRCULATION. Curri SB *Bibl Anat* 11:310-6, 1973 (Eng)

### MICROMETHOD

[GLUCOSE DETERMINATION BY PHOTOMETRIC MICROMETHOD, WITHOUT ALBUMIN] Velosy G, Szabo A *Orv Hetil* 114:3988-9, 23 Dec 73 (Hun)

[A MICROMETHOD FOR THE DETERMINATION OF LACTATE, PYRUVATE AND GLUCOSE FROM 0.1 ML OF BLOOD] Pannier R, Klimt F *Z Med Labortech* 14:285-94, 1973 (Ger)

### MICROSOME

DECREASED PROTEIN SYNTHESIS BY MICROSOMES ISOLATED FROM SENESCENT RAT LIVER. Buetow DE, Gandhi PS *Exp Gerontol* 8:243-9, Oct 73 (Eng)

### MILK, GOAT

[EFFECT OF INSULIN DEFICIENCY ON PHOSPHORUS LEVEL IN CASEIN IN GOAT MILK] Nowak J, Lulczynska K *Pol Arch Weter* 16:193-9, 1973 (Pol)

### MITOCHONDRIA

KINETICS AND MECHANISM OF THE EXCHANGE REACTIONS CATALYSED BY THE OXOGLUTARATE TRANSLOCATOR OF RAT-HEART MITOCHONDRIA. Sluse FE, Liebecq C *Biochimie* 55:747-54, 1973 (Eng)

### MITOCHONDRIA, LIVER

[COMPARATIVE STUDIES ON THE INFLUENCE OF CREATINE PHOSPHATE AND CREATININE PHOSPHATE ON RESPIRATION AND OXIDATIVE PHOSPHORYLATION OF ISOLATED HEART AND LIVER MITOCHONDRIA] Noack E *Arzneim Forsch* 23:1037-41, Aug 73 (Ger)

### MITOCHONDRIA, RAT LIVER

THE ROLE OF ACETOACETATE IN THE TRANSFER OF ACETYL UNITS OUTSIDE THE MITOCHONDRIA IN LIVER AND ADIPOSE TISSUE OF RATS OR MICE. Rous S, Favarger P *Feb's Lett* 37:231-4, 1 Dec 73 (Eng)

AFLATOXIN INHIBITION OF RAT LIVER MITOCHONDRIA. Doherty WP, Campbell TC *Chem Biol Interact* 7:63-77, Aug 73 (Eng)

ENERGY-DEPENDENT ACCUMULATION OF IRON BY ISOLATED RAT LIVER MITOCHONDRIA. II. RELATIONSHIP TO THE ACTIVE TRANSPORT OF  $\text{Ca}^{2+}$ . Romslo I, Flatmark T *Biochim Biophys Acta* 325:38-46, 19 Oct 73 (Eng)

### MITOCHONDRIAL FORMATION

STABILIZATION OF THE ENZYMATIC SYSTEMS OF THE INNER MITOCHONDRIAL MEMBRANE AND RELATED PROBLEMS. A POSSIBLE APPROACH TO THE PROBLEM

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OF THE REGULATION OF MITOCHONDRIAL FORMATION. Luzikov VN *Subcell Biochem* 2:1-31, Jan 73 (Eng) [124]

### MOLECULAR WEIGHT, HIGH

PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE. Nunes-Correa J, Lowy C, Sonksen PH *Lancet* 1:837-41, 4 May 74 (Eng)

### MOLECULE

STUDIES ON IN VITRO SYNTHESIS AND SECRETION OF GROWTH HORMONE AND PROLACTIN. II. EVIDENCE AGAINST THE EXISTENCE OF PRECURSOR MOLECULES. Zanini A, Giannattasio G, Meldolesi J *Endocrinology* 91:104-11, Jan 74 (Eng)

### MONOCOMPONENT INSULIN

[MONOCOMPONENT INSULIN] Poulsen JE *Ugeskr Laeger* 136:211-2, 21 Jan 74 (Dan)

### MONOLAYER CULTURE

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

### MORPHINE ACTION

ACTIONS OF MORPHINE ON PROSTATE GLAND FRUCTOSE METABOLISM. Dombrosky JT, Thomas JA, Mawhinney MG, Lloyd JW *Life Sci* 13:795-804, 1 Oct 73 (Eng)

### MORPHINE EFFECT

[THE EFFECT OF MORPHINE, PETHIDINE AND CLORPROMAZINE ON THE HYPOTHALAMO-PITUITARY-ADRENAL SYSTEM (AUTHORS TRANSL)] Morgner KD, Fissan H, Lucke C *Klin Wochenschr* 51:1205-7, 15 Dec 73 (Ger)

### MORPHOLOGY

[MEDULLARY CARCINOMA OF THE THYROID GLAND. MORPHOLOGY, FREQUENCY, AND CLINICAL ASPECTS] Jaques C *Schweiz Med Wochenschr* 104:565-70, 20 Apr 74 (Fre)

### MORTALITY

MORTALITY OF DIABETIC PATIENTS TREATED SURGICALLY FOR LOWER LIMB INFECTION AND OR GANGRENE. Kahn O, Wagner W, Bessman AN *Diabetes* 23:287-92, Apr 74 (Eng)

### MOUSE, KK

KK MICE AS A MODEL OF MICROANGIOPATHIC LESIONS IN DIABETES. Duhault J, Lebon F, Boulanger M *Bibl Anat* 11:453-8, 1973 (Eng)

### MUCOPOLYSACCHARIDE

[CHANGE IN THE MUCOPOLYSACCHARIDE CONTENT IN THE TISSUES OF THE OCULAR DRAINAGE SYSTEM IN PRIMARY GLAUCOMA AND ITS ROLE IN THE DEVELOPMENT OF THE GLAUCOMATOUS PROCESS (A HISTOCHEMICAL STUDY)] Kashintseva LT, Plevinskii VP *Ophthalmol Zh* 28:57-62, Jan 73 (Rus)

### MUCORMYCOSIS

GASTRIC MUCORMYCOSIS IN A DIABETIC PATIENT. Dannheimer IP, Fouche W, Nel C *S Afr Med J* 48:838-9, 20 Apr 74 (Eng)

### MUCOSA

[ENDOCRINE CELLS OF THE HUMAN DUODENAL MUCOSA. ULTRASTRUCTURAL

STUDY] Frexinos J, Balas D, Ribet A *Biol Gastroenterol (Paris)* 6:105-17, Mar 73 (Fre)

### MUCOSA, ORAL

[DISEASES OF ORAL MUCOSA. ORAL MANIFESTATIONS OF DIABETES MELITUS] Strassburg M, Knolle G *Quintessenz* 24:89-93, Dec 73 (Ger)

### MUCOSAL CELL

A COMPARATIVE STUDY ON THE EFFECT OF FLUORIDE, LAURYL SULPHATE AND CHLORHEXIDINE ON GLUCOSE UTILIZATION IN RAT INTESTINAL MUCOSAL CELLS. Olsen I, Sogner E *Acta Pharmacol Toxicol (Kbh)* 33:348-52, 1973 (Eng)

### MULTICELLULAR ARCHITECTURE

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

### MULTIPARAMETER PROCEDURE

[CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE] Stolp W, Hurnemann B, Mund-Hoym S, Hansmann M *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)

### MUS MUSCULUS

EFFECTS OF GENOTYPE, SUGAR, AND CONCENTRATION ON SUGAR PREFERENCE OF LABORATORY MICE (MUS MUSCULUS). Stockton MD, Whitney G *J Comp Physiol Psychol* 86:62-8, Jan 74 (Eng)

### MUSCLE

KINETIC STUDIES OF THE INHIBITION OF MUSCLE PHOSPHORYLASE PHOSPHATASE. Martensen TM, Brotherton JE, Graves DJ *J Biol Chem* 248:8323-8, 25 Dec 73 (Eng)

KINETIC STUDIES OF THE ACTIVATION OF MUSCLE PHOSPHORYLASE PHOSPHATASE. Martensen TM, Brotherton JE, Graves DJ *J Biol Chem* 248:8329-36, 25 Dec 73 (Eng)

### MUSCLE, PEKING DUCK

[ISOLATION, PURIFICATION AND SOME PROPERTIES OR PHOSPHOFRUCTOKINASE FROM MUSCLES OF PEKING DUCKS] Dzvonnevich ND, Deleva VP, Gulii MF, Dvornikova PD *Ukr Biokhim Zh* 45:379-86, Jul-Aug 73 (Ukr)

### MUSCLE, RAT

KINETIC ANALYSIS OF PARTIALLY PURIFIED GLUCOSE-6-PHOSPHATE DEHYDROGENASES FROM RAT MUSCLE, ADIPOSE TISSUE AND LIVER, AND FROM BAKERS YEAST. Geisler RW, McClure AM, Hansen RJ *Biochim Biophys Acta* 327:1-10, 15 Nov 73 (Eng)

### MUSCLE RIBOSOME

HYPOKALEMIC PERIODIC PARALYSIS. LOW ACTIVITY OF SARCOPLASMIC RETICULUM AND MUSCLE RIBOSOMES DURING AN INDUCED ATTACK. Ionescu V, Schochet SS Jr, Powers JM, Koob K, Conway TW *J Neurol Sci* 21:419-29, Apr 74 (Eng)

## MYSTROMYS ALBICAUDATUS

### MUSCLE, SMOOTH

PROPERTIES AND MECHANISM OF ACTION OF CREATINE KINASE FROM OX SMOOTH MUSCLE. ANION EFFECTS COMPARED WITH PYRUVATE KINASE. Focant B, Watts DC *Biochem J* 135:265-76, Oct 73 (Eng)

EFFECTS OF INCREASING GLUCOSE CONCENTRATIONS ON THE GLUCOSE METABOLISM IN ARTERIAL TISSUE AND INTESTINAL SMOOTH MUSCLE. Arqvist HJ *Acta Physiol Scand* 88:481-90, Aug 73 (Eng)

### MUSCLE TISSUE

[FUNCTIONAL ORGANIZATION OF THE ENZYME SYSTEMS OF GLYCOLYSIS IN MUSCLE AND NERVE TISSUE OF CEPHALOPOD MOLLUSCS AND LOWER FISHES] Verzhbinskaia NA *Zh Evol Biokhim Fiziol* 8:260-8, May-Jun 73 (Rus)

### MUTANT

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### MYCOBACTERIUM PHLEI

[PURIFICATION AND KINETIC PROPERTIES OF MYCOBACTERIUM PHLEI PYRUVATE KINASE] Dudouet D, Le Cam-Sagniez M, Bernard S *Biochimie* 55:637-42, 1973 (Fre)

### MYOCARDIAL ENERGY BALANCE

CARDIOGENIC SHOCK: THERAPEUTIC IMPLICATIONS OF ALTERED MYOCARDIAL ENERGY BALANCE. Kones RJ *Angiology* 25:317-33, May 74 (Eng) [25]

### MYOCARDIAL FREE FATTY ACID

EFFECT OF LACTATE INFUSION ON CANINE MYOCARDIAL FREE FATTY ACID METABOLISM IN VIVO. Spitzer JJ *Am J Physiol* 226:213-7, Jan 74 (Eng)

### MYOCARDIAL INFARCT, ACUTE

[EXPERIENCE WITH USING GLUCAGON IN ACUTE MYOCARDIAL INFARCT] Golikov AP, Berestov AA, Abdrakhmanov VR, Bobkov AI *Kardiologia* 14:37-42, Feb 74 (Rus)

### MYOCARDIAL INFARCTION

[SIGNIFICANCE OF FREE FATTY ACIDS IN MYOCARDIAL INFARCT] Bucher HW *Dtsch Med Wochenschr* 99:16 PASSIM, 4 Jan 74 (Ger)

LETTER: MYOCARDIAL INFARCTION AND DIABETES. Harrower AD, Clarke BF *Lancet* 1:749-50, 20 Apr 74 (Eng)

MYOCARDIAL INFARCTION AFTER EXERCISE-INDUCED ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH VARIANT ANGINA PECTORIS. Sweet RL, Sheffield LT *Am J Cardiol* 33:813-7, 20 May 74 (Eng)

[MYOCARDIAL INFARCT IN WOMEN] Adam-ska-Dyniewska H, Jeziorska J *Wiad Lek* 27:689-93, Apr 74 (Pol)

### MYOCARDIUM

PROCEEDINGS: 157. MODE OF INSULIN ACTION ON THE CELL: SEPARATIVE EFFECT OF INSULIN ON POTASSIUM AND GLUCOSE TRANSFER OF MYOCARDIUM. Imanaga I *J Physiol Soc Jap* 35:448, Aug-Sep 73 (Eng)

### MYSTROMYS ALBICAUDATUS

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### NADH

Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)

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THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY NAF. Katz S, Tenenhouse A *Br J Pharmacol* 48:505-15, Jul 73 (Eng)

### NATURAL CHAIN

INSULIN SYNTHESIS FROM NATURAL CHAINS BY MEANS OF REVERSIBLE BRIDGING COMPOUNDS. Geiger R, Obermeier R *Biochem Biophys Res Commun* 55:60-6, 1 Nov 73 (Eng)

### NATURAL HISTORY

[NATURAL HISTORY OF CORONARY ATHEROSCLEROSIS IN IRANIAN WORKERS] Daneche Pajouh M, Montazami K, Hedayat C, Kamali P, Pirouzmande B *Arch Mal Coeur* 66:1201-10, Sep 73 (Fre)

### NEMATOSPIROIDES DUBIUS

INTESTINAL ABSORPTION OF D-GLUCOSE AND D-GALACTOSE IN RATS INFECTED WITH NEMATOSPIROIDES DUBIUS. Scofield AM *Comp Biochem Physiol [A]* 47:219-31, Jan 74 (Eng)

### NEONATAL

NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW. Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

### NEONATAL DIABETES

LETTER: NEONATAL DIABETES. MacDonald MJ *Lancet* 1:737, 20 Apr 74 (Eng)

### NEONATAL PREDICTION

ESTIMATING LECITHIN-SPHINGOMYELIN AREA RATIO IN AMNIOTIC FLUID. A MODIFIED METHOD FOR THE PREDICTION OF NEONATAL RESPIRATORY DISTRESS. Richardson DG *S Afr Med J* 48:690-4, 6 Apr 74 (Eng)

### NEOPLASIA

HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA. Marks LJ, Steinke J, Podolsky S, Egdahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)

### NEOVASCULAR GLAUCOMA

NEOVASCULAR GLAUCOMA: CURRENT CONCEPTS. Hoskins HD Jr *Trans Am Acad Ophthalmol Otolaryngol* 78:OP330-3, Mar-Apr 74 (Eng)

CRYOTHERAPY IN NEOVASCULAR GLAUCOMA. Boniuk M *Trans Am Acad Ophthalmol Otolaryngol* 78:OP337-43, Mar-Apr 74 (Eng)

### NEPHRECTOMY

EFFECTS OF MODIFYING UREA HYDROLYSIS IN ACUTE NEPHRECTOMY ON SURVIVAL, AMMONIA IN CECAL CONTENTS AND BLOOD METABOLITES. Prior RL, Visek WJ *Proc Soc Exp Biol Med* 144:184-8, 1 Oct 73 (Eng)

### NEPHROPATHY, DIABETIC

DIABETIC NEPHROPATHY AND RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ *Minn Med* 57:356-60, May 74 (Eng)

[DIABETIC NEPHROPATHY] Granovskaia-Tsvetkova AM *Med Sestra* 33:13-5, Jan 74 (Rus)

### NEPHROTIC SYNDROME

[STUDY OF PLASMA LEVELS OF FREE FATTY ACIDS AND LIPOPROTEIN LIPASE ACTIVITY IN PATIENTS WITH NEPHROTIC SYNDROME CAUSED BY INTRINSIC RENAL DISEASE] Faria CV de, Diamant J, Giannini SD *Rev Hosp Clin Fac Med Sao Paulo* 28:305-9, Nov-Dec 73 (Por)

### NERVE TISSUE

[FUNCTIONAL ORGANIZATION OF THE ENZYME SYSTEMS OF GLYCOLYSIS IN MUSCLE AND NERVE TISSUE OF CEPHALOPOD MOLLUSCS AND LOWER FISHES] Verzhbinskaia NA *Zh Evol Biokhim Fiziol* 8:260-8, May-Jun 73 (Rus)

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STUDIES ON THE CIRCADIAN RHYTHM OF PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY IN RATS. II. EFFECT OF THE AUTONOMIC NERVOUS SYSTEM ON THE RHYTHM IN LIVER. Nagai K, Suda M, Nakagawa H *J Biochem (Tokyo)* 74:863-71, Nov 73 (Eng)

### NERVOUS SYSTEM STRESS

[OXYGEN AND GLUCOSE CONSUMPTION BY AORTIC TISSUE DURING DIETARY ADMINISTRATION OF CHOLESTEROL AND NERVOUS SYSTEM STRESS] Khomulo PS, Mytareva LV, Zakirichnaia GA *Kardiologiia* 13:116-20, Jan 73 (Rus)

### NERVOUS TISSUE

[LIPID AND FATTY ACID COMPOSITION OF NERVOUS TISSUE PHOSPHOGLYCERIDES OF SQUID, LOBSTER, DOGFISH AND COD] Noren R, Svennerholm L *Zh Evol Biokhim Fiziol* 9:225-34, May-Jun 73 (Rus)

### NET FILTRATION

AN IN-VITRO METHOD OF INVESTIGATING THE RATES OF TRANSCAPILLARY EXCHANGE AND NET FILTRATION BY SINGLE-INJECTION TECHNIQUE. Aberg B, Lindahl SO *Ups J Med Sci* 78:145-9, Jul 73 (Eng)

### NEUROLEPTANESTHESIA EFFECT

THE METABOLIC EFFECTS OF NEUROLEPTANESTHESIA. Dobkin AB, Pieloch PA *Int Anesthesiol Clin* 11:155-69, Fall 73 (Eng) [31]

### NEUROPATHY, DIABETIC

EDITORIAL: THE VALSALVA MANEUVER IN DIABETIC NEUROPATHY. Vaisrub S *JAMA* 228:1151, 27 May 74 (Eng)

### NEUROPATHY, TEGRETOL

[TEGRETOL IN DIABETIC NEUROPATHIES] Fernandez Alvarez O *Rev Iber Endocrinol* 21:75-83, Jan 74 (Spa)

### NEUROPHYSIOLOGIC ANALYSIS

[A NEUROPHYSIOLOGIC ANALYSIS OF THE EFFECT OF INSULIN ON THE CENTRAL NERVOUS SYSTEM] Amiragova MG, Pokryshkin VI *Fiziol Zh SSSR* 59:1473-82, Oct 73 (Rus)

### NEUROPHYSIOLOGICAL BASE

[CEREBRAL INVOLVEMENT IN HYPOGLYCEMIA: EXPERIMENTAL NEUROPHYSIOLOGICAL BASES] Waltregny A *Rev Med Liege* 29:222-3, 15 Apr 74 (Fre)

### NEURO-PSYCHIATRIC SYMPTOMATOLOGY

[NEURO-PSYCHIATRIC SYMPTOMATOLOGY IN HYPOGLYCEMIA] Franck G *Rev Med Liege* 29:223-6, 15 Apr 74 (Fre)

### NEWBORN

[DIAGNOSIS OF HYPOGLYCAEMIA IN NEWBORN BABIES WITH DEXTROSTIX (AUTHORS TRANSL)] Rosegger H, Beitzke A *Paediatr Paedol* 9:104-8, 1974 (Ger)

GANGRENE OF THE HAND IN A NEWBORN CHILD. Hoffman S, Valderrama E, Gribetz I, Strauss L *Hand* 6:70-3, Feb 74 (Eng)

### NEWBORN INFANT

LACTOSE TOLERANCE TEST ON INDONESIAN NEWBORN INFANTS. Surjono A, Surjantoro, Sadjimin T, Ismangun *Paediatr Indones* 13:11-6, Jan 73 (Eng)

### NICOTINAMIDE ADENINE DINUCLEOTIDE

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. PURIFICATION AND CHARACTERIZATION. Duggleby RG, Dennis DT *J Biol Chem* 249:162-6, 10 Jan 74 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. ASSAY AND STEADY STATE KINETICS. Duggleby RG, Dennis DT *J Biol Chem* 249:167-74, 10 Jan 74 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. EFFECT OF NICOTINAMIDE ADENINE DINUCLEOTIDE AND RELATED COMPOUNDS ON THE ENZYME-CATALYZED ARSENOLYSIS OF 1,3-DIPHOSPHOGLYCERIC ACID. Duggleby RG, Dennis DT *J Biol Chem* 249:175-81, 10 Jan 74 (Eng)

### NICOTINAMIDE NUCLEOTIDE

EFFECTS OF LEUCINE AND ISOLEUCINE ON NICOTINAMIDE NUCLEOTIDES OF ERYTHROCYTES. Belavady B, Rao PU, Khan L *Int J Vitam Nutr Res* 43:442-53, Apr 73 (Eng)

### NICOTINIC ACID

NICOTINIC ACID IN THE TREATMENT OF SCHIZOPHRENIA. Anonymous *Med Lett Drugs Ther* 15:107-8, 21 Dec 73 (Eng)

I CARBON 14-LABELED PALMITIC ACID METABOLISM IN FASTED, LACTATING GOATS FOLLOWING NICOTINIC ACID ADMINISTRATION. Waterman R, Schultz LH *J Dairy Sci* 56:1569-74, Dec 73 (Eng)

### NON-DIABETIC

[LACTATE ACIDOSIS IN A NON-DIABETIC TREATED WITH PHENFORMIN] Eskilsson J *Lakartidningen* 71:786, 27 Feb 74 (Swe)

### NORADRENALINE

[BASAL AND NORADRENALIN-STIMULATED LIPOLYSIS IN ISOLATED HUMAN FAT CELLS UNDER ISOCALORIC AND HYPICALORIC DIET (AUTHORS TRANSL)] Lisch HJ, Dittrich P, Sailer S, Sandhofer F, Braun-

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steiner H *Klin Wochenschr* 51:735-7, 15 Jul 73 (Ger)

### NORADRENALINE STIMULATED

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### NOREPINEPHRINE

THE EFFECT OF PROSTAGLANDIN E1 ON NOREPINEPHRINE-INDUCED MEMBRANE DEPOLARIZATION AND CYCLIC AMP ACCUMULATION IN BROWN FAT CELLS. Moskowitz J, Krishna G *Pharmacology* 10:129-35, 1973 (Eng)

### NSILA-S

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### NUCLEAR BINDING

NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS. Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

### NUCLEAR RECEPTOR

THYROID HORMONE ACTION IN CELL CULTURE: DEMONSTRATION OF NUCLEAR RECEPTORS IN INTACT CELLS AND ISOLATED NUCLEI. Samuels HH, Tsai JS *Proc Natl Acad Sci USA* 70:3488-92, Dec 73 (Eng)

### NUCLEIC ACID

[NUCLEIC ACID CONTENT IN THE BRAIN TISSUE OF RATS AFTER THE ADMINISTRATION OF DIFFERENT DOSES OF INSULIN] Sharkov BM, Filippov SP *Biol Nauki* 2:44-6, 1974 (Rus)

### NUCLEUS, ISOLATED

THYROID HORMONE ACTION IN CELL CULTURE: DEMONSTRATION OF NUCLEAR RECEPTORS IN INTACT CELLS AND ISOLATED NUCLEI. Samuels HH, Tsai JS *Proc Natl Acad Sci USA* 70:3488-92, Dec 73 (Eng)

### NUTRIENT

THE RENAL EXCRETION OF NUTRIENTS IN PREGNANCY. Hytten FE *Postgrad Med J* 49:625-9, Sep 73 (Eng)

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CHROMIUM NUTRITION IN MAN. Hambidge KM *Am J Clin Nutr* 27:505-14, May 74 (Eng) [54]

### NUTRITIONAL DIRECTION

[NUTRITIONAL DIRECTIONS FOR THE WHOLE POPULATION] Wijn JF de *Ned Tijdschr Geneesk* 117:1969-75, 29 Dec 73 (Dut)

### NUTRITIONAL INTERRELATIONSHIP

HORMONAL AND NUTRITIONAL INTERRELATIONSHIPS AND THEIR EFFECTS ON SKELETAL MUSCLE. Trenkle A *J Anim Sci* 38:1142-9, May 74 (Eng) [50]

### OBESE

URINARY AND FECAL EXCRETION AND INCORPORATION OF 14C-ESTRADIOL IN FAT DEPOSITS OF OBESE AND LEAN RATS. Innami S, Yang MG, Mickelsen O *Proc Soc Exp Biol Med* 144:220-4, 1 Oct 73 (Eng)

[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN] Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

[CLINICAL TESTS ON GLUCOPHAGE RETARD IN 50 OBESE ADULT PATIENTS WITH ADJUSTED DIABETES MELLITUS] Kopp H *Med Welt* 25:658-60, 12 Apr 74 (Ger)

### OBESE HYPERGLYCEMIC SYNDROME

ROLE OF THE THYROID IN THE DEVELOPMENT OF THE OBESE-HYPERGLYCEMIC SYNDROME IN MICE (OBOB). Joosten HF, Kroon PH van der *Metabolism* 23:425-36, May 74 (Eng)

### OBESITY

EDITORIAL: INFANT AND ADULT OBESITY. Anonymous *Lancet* 1:17-8, 5 Jan 74 (Eng)

THE ENIGMA OF OBESITY. Fox FW *Lancet* 2:1487-8, 29 Dec 73 (Eng)

[OBESITY IN PUBERTY AND ADULT AGE] Schoffling K Z *Allgemeinmed* 50:159-67, 10 Feb 74 (Ger)

LETTER: PATHOGENESIS OF OBESITY IN PRADER-WILLI SYNDROME. Mace J, Gottlin RW, Dubois R J *Pediatr* 84:927-8, Jun 74 (Eng)

### OBOB, MOUSE

ROLE OF THE THYROID IN THE DEVELOPMENT OF THE OBESE-HYPERGLYCEMIC SYNDROME IN MICE (OBOB). Joosten HF, Kroon PH van der *Metabolism* 23:425-36, May 74 (Eng)

### OCHRATOXICOSIS

OCHRATOXICOSIS IN BEAGLE DOGS. I. CLINICAL AND CLINICOPATHOLOGICAL FEATURES. Szczech GM, Carlton WW, Tuite J *Vet Pathol* 10:135-54, 1973 (Eng)

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### OLIGOSACCHARIDE

[THE CATABOLISM OF REDUCED OLIGOSACCHARIDES IN MAN AND RAT] Dierkes L, Busing G, Reinauer H Z *Ernaehrungswiss* 12:209-17, Sep 73 (Ger)

### ONCOCYTE

ONCOCYTES IN THE ANTERIOR LOBE OF THE HUMAN PITUITARY GLAND. A LIGHT AND ELECTRON MICROSCOPIC STUDY. Kovacs K, Horvath E, Bilbao JM *Acta Neuropathol (Berl)* 27:43-53, 7 Feb 74 (Eng)

### OPEN HEART SURGERY

LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY. Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)

### OPERATION

DESIGN AND OPERATION OF A SIGNAL COMPARATOR TO INCREASE EFFICIENCY OF CONTINUOUS-FLOW ANALYZERS. Neeley WE, Wardlaw S, Swinnen ME *Clin Chem* 20:78-80, 1974 (Eng)

SURGICAL THERAPY OF CHRONIC PEPTIC ULCER. PREOPERATIVE ASSESSMENT, CHOICE OF OPERATIONS, AND CONSEQUENCES. Dodswoth JM, Fischer JE *Surg Clin North Am* 54:529-47, Jun 74 (Eng) [124]

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[CHANGES IN THE PEPTIDE MAPS AND OPTICAL ROTATORY DISPERSION OF SERUM ALBUMIN IN TUBERCULOSIS AND ITS COMBINATION WITH DIABETES] Vinokurova KA *Vopr Med Khim* 19:84-6, Jan-Feb 73 (Rus)

### ORAL GLUCOSE TOLERANCE

HORMONAL RESPONSES TO INTRAVENOUS AND ORAL GLUCOSE TOLERANCE TESTING IN A PATIENT WITH A GASTRINOMA AND A GASTROJEJUNOSTOMY. Massaro RP *Gastroenterology* 66:1058-62, May 74 (Eng)

### ORAL SURGERY

[BETADRENOL INFLUENCE ON CARDIOVASCULAR AND METABOLIC BEHAVIOR IN ORAL SURGERY WITH LOCAL ANESTHESIA] Tetsch P, Brisse B, Eismann U *Dtsch Zahnärztl Z* 28:1011-5, Oct 73 (Ger)

### ORGAN

[GROWTH HORMONE AND INSULIN CONCENTRATIONS IN HUMAN PLASMA FLOWING FROM DIFFERENT ORGANS] Fedotov VP, Gebel' G Ia, Sokolov Ia A, Chestukhin VV *Probl Endokrinol (Mosk)* 19:6-9, Jul-Aug 73 (Rus)

### ORGAN, URINARY

[INFLAMMATORY DISEASES OF THE URINARY ORGANS IN PATIENTS WITH DIABETES MELLITUS] Spesivtseva VG, Mamaeva GG, Baranchikova NA, Ialysheva NI *Sov Med* 36:103-7, Oct 73 (Rus)

### OSCILLATORY CONTROL

ORGANIZATION OF GLYCOLYSIS: OSCILLATORY AND STATIONARY CONTROL. Hess B *Symp Soc Exp Biol* 27:105-31, 1973 (Eng) [28]

### OSMOTIC WATER FLOW

EFFECT OF CHLORPROPAMIDE ON OSMOTIC WATER FLOW ACROSS TOAD BLADDER AND THE RESPONSE TO VASOPRESSIN, THEOPHYLLINE AND CYCLIC AMP. Mendoza SA, Brown CF Jr *J Clin Endocrinol Metab* 38:883-9, May 74 (Eng)

### OUABAIN

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUABAIN AND MN00. Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)

### OVERWEIGHT

[FAT CELL SIZE IN 14 FEMALE OVERWEIGHT PATIENTS] Rognum TO, Kindt E *Tidsskr Nor Laegeforen* 93:1737-9, 10 Sep 73 (Nor)

### OXANDROLONE

REDUCTION OF PLASMA CHOLESTEROL LEVELS IN MALE RETIRED BREEDER RATS BY AN ANABOLIC STEROID, OXANDROLONE. Mills ES, Kriz BM, Jones AL *Proc Soc Exp Biol Med* 144:861-3, Dec 73 (Eng)

### OXIDATIVE DESATURATION

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[CHANGES IN THE CARBOHYDRATE AND FAT METABOLIC INDICES, THE STATE OF THE SYMPATHO-ADRENAL SYSTEM AND OXIDATIVE PROCESS UNDER THE EFFECT OF COLD OF DIFFERENT INTENSITIES] Liakh LO *Fiziol Zh* 19:503-10, Jul-Aug 73 (Ukr)

#### OXOGLUTARATE

KINETICS AND MECHANISM OF THE EXCHANGE REACTIONS CATALYSED BY THE OXOGLUTARATE TRANSLATOR OF RAT-HEART MITOCHONDRIA. Sluse FE, Liebecq C *Biochimie* 55:747-54, 1973 (Eng)

#### OXYGEN

[OXYGEN AND GLUCOSE CONSUMPTION BY AORTIC TISSUE DURING DIETARY ADMINISTRATION OF CHOLESTEROL AND NERVOUS SYSTEM STRESS] Khomulo PS, Mytareva LV, Zakirichnaia GA *Kardiologia* 13:116-20, Jan 73 (Rus)

#### OXYLACETATE SYNTHESIS

PYRUVATE CARBOXYLASE. SPECIFIC INACTIVATION OF ACETYL COENZYME A-DEPENDENT OXYLACETATE SYNTHESIS DURING MODIFICATION OF THE ENZYME BY TRINITROBENZENE SULFONATE. Scrutton MC, White MD *J Biol Chem* 248:5541-4, 10 Aug 73 (Eng)

#### OZONE POISONING

OZONE POISONING IN MAN: CLINICAL MANIFESTATIONS AND DIFFERENTIAL DIAGNOSIS—A REVIEW. Clowes GH Jr, O'Donnell TF Jr, Ryan NT, Blackburn GL *Ann Surg* 179:684-96, May 74 (Eng)

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#### PANCREAS

[BLOOD INSULIN FOLLOWING INJECTION OF ENTEROHORMONES (PANCREOZYMIN AND SECRETIN) AND ITS CORRELATION WITH THE EXOCRINE SECRETORY FUNCTION OF THE PANCREAS IN VARIOUS AGE GROUPS IN HEALTHY SUBJECTS] Szadkowski M *Pol Tyg Lek* 29:421-3, 18 Mar 74 (Pol)

[A STUDY OF THE EMBRYOGENESIS OF THE PANCREAS AND THE PROCESS OF FORMATION OF THE INSULAR APPARATUS IN THE FETUSES OF RATS WITH PREDIABETES, LATENT AND MANIFEST ALLOXAN DIABETES] Nikitin AI *Probl Endokrinol* (Mosk) 19:73-8, Jul-Aug 73 (Rus)

CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID. Patchefsky AS, Gordon G, Harrer WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS. Castro A, Buist NR *Clin Biochem* 7:81-7, Mar 74 (Eng)

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppperger K *J Pediatr* 84:821-4, Jun 74 (Eng)

#### PANCREAS, NEONATAL HAMSTER

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

#### PANCREAS, RAT

THE EFFECT OF ETHIONINE ON THE ENERGY PRODUCING METABOLISM IN THE RAT PANCREAS. I. THE INFLUENCE ON THE ACTIVITIES OF KEY ENZYMES OF VARIOUS METABOLIC PATHWAYS. Goebell H, Schmitz-Moormann P *Horm Metab Res* 5:435-9, Nov 73 (Eng)

VASCULARIZED TRANSPLANTATION OF THE RAT PANCREAS WITHOUT DUODENUM. Nozawa M, Weil R 3d, McIntosh R, Reemtsma K *Transplantation* 17:137-40, 1 Jan 74 (Eng)

INHIBITION BY HALOTHANE OF GLUCOSE-STIMULATED INSULIN SECRETION IN ISOLATED PIECES OF RAT PANCREAS. Gingerich R, Wright PH, Paradise RR *Anesthesiology* 40:449-52, May 74 (Eng)

CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS. Gerich JE, Frankel BJ, Fanska R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

#### PANCREATIC ALPHA CELL

A DERMATOSIS SPECIFICALLY ASSOCIATED WITH A TUMOUR OF PANCREATIC ALPHA CELLS. Sweet RD *Br J Dermatol* 90:301-8, Mar 74 (Eng)

#### PANCREATIC BETA CELL REPLICATION

PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOID IN SUBHUMAN PRIMATES. Like AA, Chick WL *Am J Pathol* 75:329-48, May 74 (Eng)

#### PANCREATIC INSULIN

[HYPOGLYCEMIC EFFECT OF GLIPIZIDE. STUDY IN 20 DIABETIC PATIENTS WITH LOW PANCREATIC INSULIN RESERVE] Laviada E, Camara M *Prensa Med Mex* 38:297-302, Jul-Aug 73 (Spa)

#### PANCREATIC ISLET

CELLULAR COMPOSITION OF THE PANCREATIC ISLETS OF THE COMMON INDIAN FROG, RANA TIGRINA. Khanna SS, Kumar S *Acta Anat (Basel)* 86:524-31, 1973 (Eng)

EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brolin S *Biochem Biophys Res Commun* 56:1045-51, 27 Feb 74 (Eng)

#### PANCREATIC ISLET CELL

[PROCEEDINGS: 27. ELECTRICAL CHARACTERISTICS OF PANCREATIC ISLET CELLS OF THE MOUSE (AUTHORS TRANSL.)] Sakamoto Y, Matthews EK *J Physiol Soc Jap* 35:392, Aug-Sep 73 (Jap)

#### PANCREATIC ISLET CELL, HUMAN

THE HUMAN PANCREATIC ISLET CELLS AND THEIR TUMORS. II. ULCEROGENIC AND DIARRHOEOGENIC TUMORS. Greider MH,

Rosai J, McGuigan JE *Cancer* 33:1423-43, May 74 (Eng)

#### PANCREATITIS

PANCREATOGRAPHY IN RELAPSING PANCREATITIS. Arnesjo B, Kugelberg C, Tylen U *Acta Chir Scand* 140:131-7, 1974 (Eng)

THE INTERACTION OF FAMILIAL AND SECONDARY CAUSES OF HYPERTRIGLYCERIDEMIA: ROLE IN PANCREATITIS. Brunzell JD, Schrott HG *Trans Assoc Am Physicians* 86:245-54, 1973 (Eng)

#### PANCREATITIS, ACUTE

OBSERVATIONS DURING TREATMENT OF ACUTE PANCREATITIS WITH INSULIN AND GLUCOSE INFUSION. Hallberg D, Theve NO *Acta Chir Scand* 140:138-42, 1974 (Eng)

[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS] Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

#### PANCREATITIS, CHRONIC

[ALPHA2-MACROGLOBULIN CONCENTRATION IN THE SERUM IN CHRONIC PANCREATITIS, LIVER CIRRHOSIS AND DIABETES MELLITUS] Geller LI, Kazimirchik AP, Kozlova ZP *Vopr Med Khim* 19:96-9, Jan-Feb 73 (Rus)

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

INTESTINAL MUCOSAL DISACCHARIDASES IN CHRONIC PANCREATITIS. Arvanitakis C, Olsen WA *Am J Dig Dis* 19:417-21, May 74 (Eng)

#### PANCREATITIS, CHRONIC FAMILIAL

FAMILIAL CHRONIC PANCREATITIS ASSOCIATED WITH PANCREATIC LITHIASIS. Sato T, Saito Y *Am J Surg* 127:511-7, May 74 (Eng)

#### PANCREATOGRAPHY

PANCREATOGRAPHY IN RELAPSING PANCREATITIS. Arnesjo B, Kugelberg C, Tylen U *Acta Chir Scand* 140:131-7, 1974 (Eng)

#### PANCREOZYMIN

[BLOOD INSULIN FOLLOWING INJECTION OF ENTEROHORMONES (PANCREOZYMIN AND SECRETIN) AND ITS CORRELATION WITH THE EXOCRINE SECRETORY FUNCTION OF THE PANCREAS IN VARIOUS AGE GROUPS IN HEALTHY SUBJECTS] Szadkowski M *Pol Tyg Lek* 29:421-3, 18 Mar 74 (Pol)

#### PAPAVERINE EFFECT

BIOCHEMICAL STUDIES ON THE EFFECT OF PAPAVERINE ON POLYMORPHONUCLEAR LEUCOCYTES. Patriarca P, Cramer R, Dri P, Soranzo MR, Rossi F *Biochem Pharmacol* 22:3257-66, 15 Dec 73 (Eng)

#### PARANEOPLASTIC SYNDROME

PARANEOPLASTIC SYNDROMES. HYPERGLYCEMIA. Cahill GF Jr *Ann NY Acad Sci* 230:161-7, 1974 (Eng)

# PHOSPHOENOLPYRUVATE CARBOXYLASE

## PARATHYROID HORMONE

INTERACTIONS OF PARATHYROID HORMONE AND PLASMA MEMBRANES FROM RAT KIDNEY. Malbon CG, Zull JE *Biochem Biophys Res Commun* 56:952-8, 27 Feb 74 (Eng)

## PARATHYROID HORMONE RECEPTOR

PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION. Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

## PARTIALLY SPECIFIED SYSTEM

DISCUSSION PAPER: THE QUALITATIVE ANALYSIS OF PARTIALLY SPECIFIED SYSTEMS. Levins R *Ann NY Acad Sci* 231:123-38, 1974 (Eng)

## PATHOLOGY

[ORTHOTOLOGY AND PATHOLOGY OF THE HUMAN PLACENTA—CONCLUSION. 3. PATHOLOGY OF THE PLACENTA AND PLACENTAL CHANGES IN SPECIAL DISEASES DURING THE LAST 3D OF PREGNANCY] Flenker H *Fortschr Med* 92:422-6, 11 Apr 74 (Ger)

## PATTERN

SEX-LINKED BLOOD-GLUCOSE PATTERN IN RATS UNDER VARYING TEST CONDITIONS. Hebold G, Bleuel H *Horm Metab Res* 5:361-8, Sep 73 (Eng)

## PEDIATRIC PROBLEM

ATHEROSCLEROSIS: A PEDIATRIC PROBLEM Blumenthal S, Jesse MJ *Cardiovasc Clin* 4:11-6, 1972 (Eng) [19]

## PENTOSE SHUNT

THE PENTOSE SHUNT IN WILD-TYPE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT DROSOPHILA MELANOGASTER. Geer BW, Bowman JT, Simmons JR *J Exp Zool* 187:77-86, Jan 74 (Eng)

## PEPTIC ULCER, CHRONIC

SURGICAL THERAPY OF CHRONIC PEPTIC ULCER. PREOPERATIVE ASSESSMENT, CHOICE OF OPERATIONS, AND CONSEQUENCES. Dodsworth JM, Fischer JE *Surg Clin North Am* 54:529-47, Jun 74 (Eng) [124]

## PEPTIDE MAP

[CHANGES IN THE PEPTIDE MAPS AND OPTICAL ROTATORY DISPERSION OF SERUM ALBUMIN IN TUBERCULOSIS AND ITS COMBINATION WITH DIABETES] Vinokurova KA *Vopr Med Khim* 19:84-6, Jan-Feb 73 (Rus)

## PEPTIDIC HORMONE ANALOGUE

[CHEMICAL SYNTHESIS AND PROPERTIES OF PEPTIDIC HORMONE ANALOGUES (AUTHORS TRANSL)] Lutz W, Klyszejko-Stefanowicz L *Postepy Biochem* 20:35-66, 1974 (Pol)

## PERFUSION FLUID

LIPID CONCENTRATION IN CRYOPRECIPITATED PLASMA USED AS PERFUSION FLUID FOR KIDNEY PRESERVATION. Brons M, Jensen EH *Scand J Urol Nephrol* 8:27-30, 1974 (Eng)

## PERINATAL MORTALITY

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP *Diabetes* 23:302-5, Apr 74 (Eng)

POTENTIAL MECHANISMS RESPONSIBLE FOR PRENATAL AND PERINATAL MORTALITY OR LOW VIABILITY OF SWINE. Stanton HC, Carroll JK *J Anim Sci* 38:1037-44, May 74 (Eng) [53]

## PERIODIC PARALYSIS

HYPOKALEMIC PERIODIC PARALYSIS. LOW ACTIVITY OF SARCOPLASMIC RETICULUM AND MUSCLE RIBOSOMES DURING AN INDUCED ATTACK. Ionescu V, Schochet SS Jr, Powers JM, Koob K, Conway TW *J Neurol Sci* 21:419-29, Apr 74 (Eng)

## PERIODONTIUM

[STATE OF THE PERIODONTIUM IN PATIENTS WITH LATENT DIABETES] Atahacoba E, Dobrev DI, Indzhov B *Stomatologia (Sofia)* 55:276-80, Jul-Aug 73 (Bul)

## PERMEABILITY

METABOLIC CONTROL OF PERMEABILITY IN ISOLATED MESENTERY. Rasio EA *Am J Physiol* 226:962-8, Apr 74 (Eng)

## PEROXIDASE

EVALUATION OF THE ADAPTATION OF THE GLUCOSE OXIDASE-PEROXIDASE-3-METHYL-2-BENZOTHAZOLINONE HYDRAZONE-N,N-DIMETHYLANILINE PROCEDURE TO THE TECHNICON SMA 12-60, AND COMPARISON WITH OTHER AUTOMATED METHODS FOR GLUCOSE. Carey RN, Feldbrugge D, Westgard JO *Clin Chem* 20:595-602, May 74 (Eng)

## PETHIDINE EFFECT

[THE EFFECT OF MORPHINE, PETHIDINE AND CLORPROMAZINE ON THE HYPOTHALAMO-PITUITARY-ADRENAL SYSTEM (AUTHORS TRANSL)] Morgner KD, Fissan H, Lucke C *Klin Wochenschr* 51:1205-7, 15 Dec 73 (Ger)

## PH

ON THE SPECIFICITY AND PH DEPENDENCE OF FICIN-CATALYZED HYDROLYSES. SOME COMPARISONS WITH BROMELAIN SPECIFICITY. Kortt AA, Hinds JA, Zerner B *Biochemistry* 13:2029-37, 7 May 74 (Eng)

## PHASE SEPARATION

LATERAL PHASE SEPARATIONS IN MEMBRANES. Shimshick EJ, Kleemann W, Hubbell WL, McConnell HM *J Supramol Struct* 1:285-94, 1973 (Eng)

## PHENFORMIN

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY IN DIABETES MELLITUS. Simpson IJ, Henley JW, Sharpe DN *Nz Med J* 79:645-8, 13 Feb 74 (Eng)

[RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cuttica F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)

[LACTATE ACIDOSIS IN A NON-DIABETIC TREATED WITH PHENFORMIN] Eskilsson J *Lakartidningen* 71:786, 27 Feb 74 (Swe)

## PHENOBARBITONE EFFECT

PROCEEDINGS: EFFECTS OF PHENOBARBITONE ON GLUCOSE TRANSPORT AND MEMBRANE ATP-ASE ACTIVITIES OF CEREBRAL CORTEX. Gilbert JC *Br J Pharmacol* 44:338P-339P, Feb 72 (Eng)

## PHENYLALANINE

ELEVATION OF HEPATIC PHENYLALANINE: PYRUVATE AMINOTRANSFERASE BY DIBUTYRYL CYCLIC AMP IN RATS. Fuller RW, Baker JC, Snoddy HD *Biochem Med* 9:301-8, Mar 74 (Eng)

## PHOSPHATE

[COMPARATIVE STUDIES ON THE INFLUENCE OF CREATINE PHOSPHATE AND CREATININE PHOSPHATE ON RESPIRATION AND OXIDATIVE PHOSPHORYLATION OF ISOLATED HEART AND LIVER MITOCHONDRIA] Noack E *Arzneim Forsch* 23:1037-41, Aug 73 (Ger)

## PHOSPHATE, HIGH ENERGY

POTASSIUM CONTRACTURE AND UTILIZATION OF HIGH-ENERGY PHOSPHATES IN RABBIT HEART. Rich TL, Brady AJ *Am J Physiol* 226:105-13, Jan 74 (Eng)

## PHOSPHODIESTERASE

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY NAF. Katz S, Tenenhouse A *Br J Pharmacol* 48:505-15, Jul 73 (Eng)

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUABAIN AND MN00. Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)

## PHOSPHOENOLPYRUVATE

MULTIPLE IMMOBILIZED ENZYME REACTORS: DETERMINATION OF PYRUVATE AND PHOSPHOENOLPYRUVATE CONCENTRATIONS USING IMMOBILIZED LACTATE DEHYDROGENASE AND PYRUVATE KINASE. Newirth TL, Diegelman MA, Pye EK, Kallen RG *Biotechnol Bioeng* 15:1089-100, Nov 73 (Eng)

## PHOSPHOENOLPYRUVATE CARBOXYKINASE

STUDIES ON THE CIRCADIAN RHYTHM OF PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY IN RATS. II. EFFECT OF THE AUTONOMIC NERVOUS SYSTEM ON THE RHYTHM IN LIVER. Nagai K, Suda M, Nakagawa H *J Biochem (Tokyo)* 74:863-71, Nov 73 (Eng)

COLD ADAPTATION. 3. EFFECTS OF CATECHOLAMINES AND THYROID HORMONE ON INDUCTION OF LIVER PHOSPHOENOLPYRUVATE CARBOXYKINASE ON COLD-EXPOSURE. Nagai K, Nakagawa H *J Biochem (Tokyo)* 74:873-9, Nov 73 (Eng)

## PHOSPHOENOLPYRUVATE CARBOXYLASE

[PHOSPHOENOLPYRUVATE CARBOXYLASE: MECHANISM FOR ALLOSTERIC REGULATION BY MULTIPLE EFFECTORS (AUTHORS TRANSL)] Katsuki H, Kzui K,

# PHOSPHOENOLPYRUVATE PHOSPHATE TRANSFERASE SYSTEM

Teraoka H, Yoshinaga T, Morikawa M *J Jap Biochem Soc* 45:781-803, Sep 73 (Jap) [95]

COOPERATIVE INTERACTIONS IN THE BINDING OF ALLOSTERIC EFFECTORS TO PHOSPHOENOLPYRUVATE CARBOXYLASE. Smando R, Waygood EB, Sanwal BD *J Biol Chem* 249:182-90, 10 Jan 74 (Eng)

PHOSPHOENOLPYRUVATE PHOSPHATE TRANSFERASE SYSTEM VINYLGLYCOLIC ACID. AN INACTIVATOR OF THE PHOSPHOENOLPYRUVATE-PHOSPHATE TRANSFERASE SYSTEM IN *ESCHERICHIA COLI*. Walsh CT, Kaback HR *J Biol Chem* 248:5456-62, 10 Aug 73 (Eng)

## PHOSPHOFRUCTOKINASE

RABBIT RETICULOCYTE PHOSPHOFRUCTOKINASE. PURIFICATION AND SOME PROPERTIES. Kwiatkowska J *Biochim Biophys Acta* 321:475-83, 10 Oct 73 (Eng)

PHOSPHOFRUCTOKINASE. Mansour TE *Curr Top Cell Regul* 5:1-46, 1972 (Eng) [143]

[ISOLATION, PURIFICATION AND SOME PROPERTIES OR PHOSPHOFRUCTOKINASE FROM MUSCLES OF PEKING DUCKS] Dzvonekch ND, Deleva VP, Gulii MF, Dvornikova PD *Ukr Biokhim Zh* 45:379-86, Jul-Aug 73 (Ukr)

SEDOHEPTULOSE-7-PHOSPHATE KINASE ACTIVITY OF PHOSPHOFRUCTOKINASE FROM THE DIFFERENT TISSUES OF RABBIT. Karadsheh NS, Tejwani GA, Ramaiah A *Biochim Biophys Acta* 327:66-81, 15 Nov 73 (Eng)

INTERCONVERTIBLE FORMS OF PHOSPHOFRUCTOKINASE OF RABBIT LIVER. THE ROLE OF EFFECTORS ON THE INTERCONVERSION. Ramaiah A, Tejwani GA *Eur J Biochem* 39:183-92, 1 Nov 73 (Eng)

A STABILIZING FACTOR FOR LIVER PHOSPHOFRUCTOKINASE. Dunaway GA Jr, Segal HL *Biochem Biophys Res Commun* 56:689-96, 4 Feb 74 (Eng)

## PHOSPHOGLYCERATE KINASE

STRUCTURE OF YEAST PHOSPHOGLYCERATE KINASE. Bryant TN, Watson HC, Wendell PL *Nature* 247:14-7, 4 Jan 74 (Eng)

## 3-PHOSPHOGLYCERATE KINASE

YEAST 3-PHOSPHOGLYCERATE KINASE: EVIDENCE FOR A GLUTAMYL RESIDUE IN THE PHOSPHORYL TRANSFER. Brevet A, Roustan C, Desvages G, Pradel LA, Thoi N van *Eur J Biochem* 39:141-7, 1 Nov 73 (Eng)

## PHOSPHOGLYCERIDE

[LIPID AND FATTY ACID COMPOSITION OF NERVOUS TISSUE PHOSPHOGLYCERIDES OF SQUID, LOBSTER, DOGFISH AND COD] Noren R, Svennerholm L *Zh Evol Biokhim Fiziol* 9:225-34, May-Jun 73 (Rus)

## PHOSPHOLIPASE

THE ROLE IN CHYLOMICRON FORMATION OF PHOSPHOLIPASE ACTIVITY OF INTESTINAL GOLGI MEMBRANES. Redgrave TG *Aust J Exp Biol Med Sci* 51:427-34, Aug 73 (Eng)

## PHOSPHORUS

[EFFECT OF INSULIN DEFICIENCY ON PHOSPHORUS LEVEL IN CASEIN IN GOAT MILK] Nowak J, Luleczynska K *Pol Arch Weter* 16:193-9, 1973 (Pol)

## PHOSPHORUS, SERUM

PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY. Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

## PHOSPHORYL TRANSFER

YEAST 3-PHOSPHOGLYCERATE KINASE: EVIDENCE FOR A GLUTAMYL RESIDUE IN THE PHOSPHORYL TRANSFER. Brevet A, Roustan C, Desvages G, Pradel LA, Thoi N van *Eur J Biochem* 39:141-7, 1 Nov 73 (Eng)

## PHOSPHORYLASE

REGULATION OF MALTODEXTRIN PHOSPHORYLASE SYNTHESIS IN *ESCHERICHIA COLI* BY CYCLIC ADENOSINE 3, 5-MONOPHOSPHATE AND GLUCOSE. Chao J, Weathersbee CJ *J Bacteriol* 117:181-8, Jan 74 (Eng)

## PHOSPHORYLASE ACTIVITY

LEAD AND SOME OTHER METALS IN THE HISTOCHEMICAL DEMONSTRATION OF RAT LIVER GLYCOGEN PHOSPHORYLASE ACTIVITY. Lindberg LA *Histochemie* 36:347-53, 1973 (Eng)

HISTOCHEMICAL DEMONSTRATION OF RAT LIVER GLYCOGEN PHOSPHORYLASE ACTIVITY WITH IRON (FE00). Lindberg LA *Histochemie* 36:355-65, 1973 (Eng)

## PHOSPHORYLASE, HEPATIC

HEPATIC PHOSPHORYLASE DEFICIENCY. ITS DIFFERENTIATION FROM OTHER HEPATIC GLYCOGENOSES. Fernandes J, Koster JF, Grose WF, Sorgedtrager N *Arch Dis Child* 49:186-91, Mar 74 (Eng)

## PHOSPHORYLASE PHOSPHATASE

KINETIC STUDIES OF THE INHIBITION OF MUSCLE PHOSPHORYLASE PHOSPHATASE. Martensen TM, Brotherton JE, Graves DJ *J Biol Chem* 248:8323-8, 25 Dec 73 (Eng)

KINETIC STUDIES OF THE ACTIVATION OF MUSCLE PHOSPHORYLASE PHOSPHATASE. Martensen TM, Brotherton JE, Graves DJ *J Biol Chem* 248:8329-36, 25 Dec 73 (Eng)

## PHOSPHORYLATION

EFFECT OF CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ON RIBOSOMAL PROTEIN PHOSPHORYLATION IN RETICULOCYTES. Cawthon ML, Bitte LF, Krystosek A, Kabat D *J Biol Chem* 249:275-8, 10 Jan 74 (Eng)

PHOSPHORYLATION OF ADENOHYPHYSSEAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED PROTEIN KINASE. Lemay A, Deschenes M, Lemaire S, Poirier G, Poulin L, Labrie F *J Biol Chem* 249:323-8, 10 Jan 74 (Eng)

## PHOTOAFFINITY LABELING

SPECIFIC PHOTOAFFINITY LABELING OF THE ADENOSINE 3:5-CYCLIC MONOPHOSPHATE RECEPTOR IN INTACT GHOSTS FROM HUMAN ERYTHROCYTES. Guthrow CE, Rasmussen H, Brunswick DJ, Cooperman BS *Proc Natl Acad Sci USA* 70:3344-6, Dec 73 (Eng)

## PHOTOCOAGULATION

[TREATMENT OF PRERETINAL HAEMORRHAGES BY MEANS OF PHOTOCOAGULATION (AUTHORS

TRANSL)] Heydenreich A *Klin Monatsbl Augenheilkd* 163:671-6, Dec 73 (Ger)

## PHOTOCOAGULATION, ARGON LASER

COMPLICATIONS OF ARGON LASER PHOTOCOAGULATION. Zweng HC, Little HL, Hammond AH *Trans Am Acad Ophthalmol Otolaryngol* 78:OP195-204, Mar-Apr 74 (Eng)

## PHOTOMETRIC MICROMETHOD

[GLUCOSE DETERMINATION BY PHOTOMETRIC MICROMETHOD, WITHOUT ALBUMIN] Velosy G, Szabo A *Orv Hetil* 114:3988-9, 23 Dec 73 (Hun)

## PHYSICIAN WARNING

[WARNING TO HEAD PHYSICIANS-3 MISTREATED CASES] Anonymous *Lakartidningen* 71:1238-9, 27 Mar 74 (Swe)

## PIGLET

ROLE OF ADIPOSE TISSUE LIPOLYSIS IN POSTNATAL AMELIORATION OF THERMOGENESIS IN DOMESTIC AND WILD PIGLETS. Horn GW, Foley CW, Seerley RW, Munnell JF *J Anim Sci* 37:1356-61, Dec 73 (Eng)

## PISUM SATIVUM

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. PURIFICATION AND CHARACTERIZATION. Duggleby RG, Dennis DT *J Biol Chem* 249:162-6, 10 Jan 74 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. ASSAY AND STEADY STATE KINETICS. Duggleby RG, Dennis DT *J Biol Chem* 249:167-74, 10 Jan 74 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. EFFECT OF NICOTINAMIDE ADENINE DINUCLEOTIDE AND RELATED COMPOUNDS ON THE ENZYME-CATALYZED ARSENOLYSIS OF 1,3-DIPHOSPHOGLYCERIC ACID. Duggleby RG, Dennis DT *J Biol Chem* 249:175-81, 10 Jan 74 (Eng)

## PITUITARY

STIMULATION OF TSH RELEASE AND GLUCOSE OXIDATION IN PITUITARIES FROM THYROIDECTOMIZED RATS BY THYROTROPIN RELEASING FACTOR (TRF). Dubovsky EV, Beschi RJ, Pittman JA, Lindsay RH *Ala J Med Sci* 10:270-7, Jul 73 (Eng)

## PITUITARY GLAND

MANAGEMENT OF PATIENTS FOR YTTRIUM-90 IMPLANTATION OF THE PITUITARY GLAND. Whitwam JG, Tunbridge WM, Fuller WJ *Br J Anaesth* 45:1121-9, Nov 73 (Eng)

ONCOCYTES IN THE ANTERIOR LOBE OF THE HUMAN PITUITARY GLAND. A LIGHT AND ELECTRON MICROSCOPIC STUDY. Kovacs K, Horvath E, Bilbao JM *Acta Neuropathol (Berl)* 27:43-53, 7 Feb 74 (Eng)

## PITUITARY, RAT

STIMULATION OF GROWTH HORMONE RELEASE FROM SUPERFUSED RAT PITUITARY BY EXTRACTS OF HYPOTHALAMUS AND OF HUMAN LUNG TUMOURS. Beck C, Larkins RG, Martin TJ, Burger HG *J Endocrinol* 59:325-33, Nov 73 (Eng)

# PREDNISOLONE

## PITUITARY, TELEOST

PROCEEDINGS: FACTORS AFFECTING THE RELEASE AND SYNTHESIS OF TELEOST PITUITARY POLYPEPTIDE HORMONES. Baker BI, Ingleton PM *J Endocrinol* 59:XL, Nov 73 (Eng)

## PLACENTA

[FULLY MATURE PLACENTA AT FIFTEEN WEEKS GESTATION (EARLIEST OBSERVATION OF PREMATURE MATURATION OF THE PLACENTA) (AUTHORS TRANSL)] Werner C, Bender HG *Geburtshilfe Frauenheilkd* 34:104-8, Feb 74 (Ger)

## PLACENTA, HUMAN

[ORTHOLOGY AND PATHOLOGY OF THE HUMAN PLACENTA—CONCLUSION. 3. PATHOLOGY OF THE PLACENTA AND PLACENTAL CHANGES IN SPECIAL DISEASES DURING THE LAST 3D OF PREGNANCY] Flenker H *Fortschr Med* 92:422-6, 11 Apr 74 (Ger)

## PLACENTAL DISEASE

[ORTHOLOGY AND PATHOLOGY OF THE HUMAN PLACENTA—CONCLUSION. 3. PATHOLOGY OF THE PLACENTA AND PLACENTAL CHANGES IN SPECIAL DISEASES DURING THE LAST 3D OF PREGNANCY] Flenker H *Fortschr Med* 92:422-6, 11 Apr 74 (Ger)

## PLACENTAL LACTOGEN, HUMAN

GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY. Gaspard U, Sandront H, Luyckx A *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)

## PLANTAR DISEASE, PERFORATING

[LETTER: ULCERO-MUTILATING ACROPATHIES AND DIABETIC PERFORATING PLANTAR DISEASES] Schmidt C, Royer RJ *Nouv Presse Med* 3:528, 2 Mar 74 (Fre)

## PLASMA, CRYOPRECIPITATED

LIPID CONCENTRATION IN CRYOPRECIPITATED PLASMA USED AS PERFUSION FLUID FOR KIDNEY PRESERVATION. Brons M, Jensen EH *Scand J Urol Nephrol* 8:27-30, 1974 (Eng)

## PLASMA, HUMAN

[GROWTH HORMONE AND INSULIN CONCENTRATIONS IN HUMAN PLASMA FLOWING FROM DIFFERENT ORGANS] Fedotov VP, Gebel' G, Sokolov IaA, Chestukhin VV *Probl Endokrinol (Mosk)* 19:6-9, Jul-Aug 73 (Rus)

## PLASMODIUM LOPHURAE

IN VITRO INHIBITION OF LIPOLYSIS BY PYRIMETHAMINE IN BLOOD FROM DUCKS PARASITIZED WITH PLASMODIUM LOPHURAE. Hart LT, Dimopoulos GT, Mandhare KS *Avian Dis* 17:752-7, Oct-Dec 73 (Eng)

## POISONING

OZONE POISONING IN MAN: CLINICAL MANIFESTATIONS AND DIFFERENTIAL DIAGNOSIS—A REVIEW. Clowes GH Jr, O'Donnell TF Jr, Ryan NT, Blackburn GL *Ann Surg* 179:684-96, May 74 (Eng)

## POLYMORPHONUCLEAR LEUCOCYTE

BIOCHEMICAL STUDIES ON THE EFFECT OF PAPAVERINE ON POLYMORPHONUCLEAR LEUCOCYTES. Patriarca P, Cramer R, Dri P,

Soranzo MR, Rossi F *Biochem Pharmacol* 22:3257-66, 15 Dec 73 (Eng)

## POLYNEUROPATHY, DIABETIC

[VALUE OF RECORDING THE ACHILLES TENDON REFLEX IN DIAGNOSIS OF DIABETIC POLYNEUROPATHIES] Markiewicz M, Markiewicz M *Pol Tyg Lek* 29:397-9, Mar 74 (Pol)

## POLYPEPTIDE HORMONE

PROCEEDINGS: FACTORS AFFECTING THE RELEASE AND SYNTHESIS OF TELEOST PITUITARY POLYPEPTIDE HORMONES. Baker BI, Ingleton PM *J Endocrinol* 59:XL, Nov 73 (Eng)

PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS. Ramachandran J *Life Sci* 14:993-1005, 16 Mar 74 (Eng) [52]

[EFFECT OF POLYPEPTIDE HORMONES ON THE LOWER ESOPHAGEAL SPHINCTER IN ACHALASIA] Siewert R, Fruh E, Waldeck F, Schmidt H *Z Gastroenterol* 12:117-20, Mar 74 (Ger)

## POLYPEPTIDE SEQUENCING

POLYPEPTIDE SEQUENCING: USE OF DIPEPTIDYLAMINOPEPTIDASE I AND GAS CHROMATOGRAPHY-MASS SPECTROMETRY. Caprioli RM, Seifert WE Jr, Sutherland DE *Biochem Biophys Res Commun* 55:67-75, 1 Nov 73 (Eng)

## POLYSOME PROFILE

CONCOMITANT EFFECTS OF INSULIN ON SURFACE MEMBRANE CONFORMATION AND POLYSOME PROFILES OF SERUM-STARVED BALB-C 3T3 FIBROBLASTS. Evans RB, Morhenn V, Jones AL, Tomkins GM *J Cell Biol* 61:95-106, Apr 74 (Eng)

## POLYUNSATURATED FAT

GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS. Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL *J Anim Sci* 37:1419-27, Dec 73 (Eng)

## POPLITEAL ANEURYSM

POPLITEAL ARTERIAL ANEURYSMS. A REVIEW AND ANALYSIS OF 55 CASES. Gaylis H *S Afr Med J* 48:75-81, 19 Jan 74 (Eng)

## POPULATION

ACCIDENTAL HYPOTHERMIA IN AN ALCOHOLIC POPULATION. Weyman AE, Greenbaum DM, Grace WJ *Am J Med* 56:13-21, Jan 74 (Eng)

[NUTRITIONAL DIRECTIONS FOR THE WHOLE POPULATION] Wijn JF de *Ned Tijdschr Geneesk* 117:1969-75, 29 Dec 73 (Dut)

## POSTABSORPTIVE STATE

LIVER GLYCOGEN CONTENT IN MAN IN THE POSTABSORPTIVE STATE. Nilsson LH *Scand J Clin Lab Invest* 32:117-23, Dec 73 (Eng)

## POSTNATAL AMELIORATION

ROLE OF ADIPOSE TISSUE LIPOLYSIS IN POSTNATAL AMELIORATION OF THERMOGENESIS IN DOMESTIC AND WILD PIGLETS. Horn GW, Foley CW, Seerley RW, Munnell JF *J Anim Sci* 37:1356-61, Dec 73 (Eng)

## POTASSIUM

POTASSIUM CONTRACTURE AND UTILIZATION OF HIGH-ENERGY PHOSPHATES IN RABBIT HEART. Rich TL, Brady AJ *Am J Physiol* 226:105-13, Jan 74 (Eng)

PROCEEDINGS: 157. MODE OF INSULIN ACTION ON THE CELL: SEPARATIVE EFFECT OF INSULIN ON POTASSIUM AND GLUCOSE TRANSFER OF MYOCARDIUM. Imanaga I *J Physiol Soc Jap* 35:448, Aug-Sep 73 (Eng)

## POTASSIUM DEPLETION

THE EFFECT OF POTASSIUM DEPLETION ON THE INITIAL KINETICS OF GLYCOLYSIS IN ASCITES TUMOR CELLS. Greenhouse WV, Coe EL *Biochim Biophys Acta* 329:183-95, 5 Dec 73 (Eng)

## POTASSIUM EXCRETION

COMPARATIVE STUDY OF THE EFFECTS OF METOLAZONE AND OTHER DIURETICS ON POTASSIUM EXCRETION. Puschett JB, Rastegar A *Clin Pharmacol Ther* 15:398-405, Apr 74 (Eng)

## POTASSIUM ION

A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA<sup>+</sup>-K<sup>+</sup> ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

## POTENTIATION

FRUCTOSE POTENTIATION OF MANNOSE-INDUCED INSULIN SECRETION. Curry DL *Am J Physiol* 226:1073-6, May 74 (Eng)

## PRADER-WILLI SYNDROME

LETTER: PATHOGENESIS OF OBESITY IN PRADER-WILLI SYNDROME. Mace J, Gotlin RW, Dubois R *J Pediatr* 84:927-8, Jun 74 (Eng)

## PRADER-WILLI-LABHART-SYNDROME

[PRADER-WILLI-LABHART-SYNDROME IN INFANCY (AUTHORS TRANSL)] Haberland H, Glatz J, Unterkircher R *Paediatr Paedol* 9:123-9, 1974 (Ger)

## PRE-BETA LIPOPROTEIN

CHANGES IN SERUM PRE-BETA-LIPOPROTEIN FOLLOWING THE FEEDING OF SUCROSE. A PRELIMINARY TRIAL IN PHYSICALLY ACTIVE AND INACTIVE YOUNG MALE STUDENTS. Wille LE, Vellar OD, Hermansen L *J Oslo City Hosp* 23:141-56, Sep 73 (Eng)

CORRELATIONS OF SERUM TRIGLYCERIDE AND PREBETALIPOPROTEIN LEVELS TO THE SEVERITY OF SPONTANEOUS DIABETES IN MACACA NIGRA. Howard CF Jr *J Clin Endocrinol Metab* 38:856-60, May 74 (Eng)

## PRECURSOR MOLECULE

STUDIES ON IN VITRO SYNTHESIS AND SECRETION OF GROWTH HORMONE AND PROLACTIN. II. EVIDENCE AGAINST THE EXISTENCE OF PRECURSOR MOLECULES. Zanini A, Giannattasio G, Meldolesi J *Endocrinology* 91:104-11, Jan 74 (Eng)

## PREDIABETES

[A STUDY OF THE EMBRYOGENESIS OF THE PANCREAS AND THE PROCESS OF FORMATION OF THE INSULAR APPARATUS IN THE FETUSES OF RATS WITH PREDIABETES, LATENT AND MANIFEST ALLOXAN DIABETES] Nikitin AI *Probl Endokrinol (Mosk)* 19:73-8, Jul-Aug 73 (Rus)

## PREDNISOLONE

FACTORS AFFECTING GLYCOGEN LEVELS IN HELA CELLS: PREDNISOLONE AND ADENINE NUCLEOTIDES. Melnykovych G, Bishop CF *J Natl Cancer Inst* 51:353-60, Aug 73 (Eng)

# PREGNANCY

## PREGNANCY

GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY. Gaspard U, Sandroni H, Luyckx A. *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)

THE FORMATION OF HL-A ANTIBODIES IN PREGNANCY. THE ANTIGENICITY OF ABORTED AND TERM FETUSES. Burke J, Johansen K. *J Obstet Gynaecol Br Commonw* 81:222-8, Mar 74 (Eng)

[ORTHOTOLOGY AND PATHOLOGY OF THE HUMAN PLACENTA—CONCLUSION. 3. PATHOLOGY OF THE PLACENTA AND PLACENTAL CHANGES IN SPECIAL DISEASES DURING THE LAST 3D OF PREGNANCY] Flenker H. *Fortschr Med* 92:422-6, 11 Apr 74 (Ger)

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP. *Diabetes* 23:302-5, Apr 74 (Eng)

[DIABETES AND PREGNANCY] Riet HG van, Kal J, Haspels AA. *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]

THE RENAL EXCRETION OF NUTRIENTS IN PREGNANCY. Hytten FE. *Postgrad Med J* 49:625-9, Sep 73 (Eng)

## PREGNANCY EFFECT

EFFECTS OF PREGNANCY ON TRYPA NOSOMA CONGOLENSIS INFECTION IN RATS: SERUM BIOCHEMISTRY AND CELLULAR DISORDERS. Simaren JO, Awopetu JI. *Ann Parasitol Hum Comp* 48:433-46, Mar-Jun 73 (Eng)

THE EFFECT OF PREGNANCY ON INTRAVENOUS GLUCOSE TOLERANCE. Fisher PM, Hamilton PM, Sutherland HW, Stowers JM. *J Obstet Gynaecol Br Commonw* 81:285-90, Apr 74 (Eng)

## PREGNANCY, SHEEP

RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP. Bergman EN, Kaufman CF, Wolff JE, Williams HH. *Am J Physiol* 226:833-7, Apr 74 (Eng)

## PRERETINAL HEMORRHAGE

[TREATMENT OF PRERETINAL HAEMORRHAGES BY MEANS OF PHOTOCOAGULATION (AUTHORS TRANSL)] Heydenreich A. *Klin Monatsbl Augenheilkd* 163:671-6, Dec 73 (Ger)

## PREVENTION

[PREVENTION OF CEREBRAL STROKES] Jarcma M. *Neurol Neurochir Pol* 8:221-4, Mar-Apr 74 (Pol) [20]

[EARLY FORMS OF DIABETES MELLITUS AND ITS PREVENTION] Vasiukova EA. *Med Sestra* 33:6-10, Jan 74 (Rus)

## PRIMARY CULTURE

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S. *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

## PROGENY

THE EFFECT OF MATERNAL MALNUTRITION ON THE PROGENY IN THE RAT. STUDIES IN VITRO OF ADIPOSE TISSUE LIPOGENESIS AND LIPOPROTEIN LIPASE ACTIVITY FOL-

LOWING FRUCTOSE FEEDING. McLeod KI, Nestel PJ, Goldrick RB. *Aust J Exp Biol Med Sci* 51:811-24, Dec 73 (Eng)

## PROLACTIN

STUDIES ON IN VITRO SYNTHESIS AND SECRETION OF GROWTH HORMONE AND PROLACTIN. II. EVIDENCE AGAINST THE EXISTENCE OF PRECURSOR MOLECULES. Zanini A, Giannattasio G, Meldolesi J. *Endocrinology* 91:104-11, Jan 74 (Eng)

## PROPRANOLOL

PROCEEDINGS: INHIBITORY EFFECT OF PROPRANOLOL ON INSULIN SECRETION. Furman BL, Tayo FM. *Br J Pharmacol* 49:145P, Sep 73 (Eng)

LETTER: PROPRANOLOL, HYPOGLYCEMIA, AND HYPERTENSIVE CRISIS. McMurtry RJ. *Ann Intern Med* 80:669-70, May 74 (Eng)

## PROSTAGLANDIN E1 EFFECT

THE EFFECT OF PROSTAGLANDIN E1 ON NOREPINEPHRINE-INDUCED MEMBRANE DEPOLARIZATION AND CYCLIC AMP ACCUMULATION IN BROWN FAT CELLS. Moskowitz J, Krishna G. *Pharmacology* 10:129-35, 1973 (Eng)

## PROSTAGLANDIN EFFECT

EFFECTS OF PROSTAGLANDINS ON HEPATIC ADENYLATE CYCLASE ACTIVITY AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE CONTENT. Zenser TV, DeRubertis FR, Curnow RT. *Endocrinology* 94:1404-10, May 74 (Eng)

## PROSTATE

ABSORPTION AND EXCRETION OF SORBITOL AND MANNITOL IN TRANSURETHRAL RESECTION OF THE PROSTATE. Madsen PO, Naber KG. *Invest Urol* 11:331-5, Jan 74 (Eng)

## PROSTATE GLAND

ACTIONS OF MORPHINE ON PROSTATE GLAND FRUCTOSE METABOLISM. Dombrosky JT, Thomas JA, Mawhinney MG, Lloyd JW. *Life Sci* 13:795-804, 1 Oct 73 (Eng)

## PROTEIN

EFFECT OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE ON RIBOSOMAL PROTEIN PHOSPHORYLATION IN RETICULOCYTES. Cawthon ML, Bitte LF, Krystosek A, Kabat D. *J Biol Chem* 249:275-8, 10 Jan 74 (Eng)

PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS. Ramchandran J. *Life Sci* 14:993-1005, 16 Mar 74 (Eng) [52]

## PROTEIN KINASE

PROTEIN KINASES. Krebs EG. *Curr Top Cell Regul* 5:99-133, 1972 (Eng) [185]

ADENOSINE CYCLIC 3,5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASE FROM RABBIT ERYTHROCYTES. PURIFICATION AND CHARACTERIZATION OF MULTIPLE FORMS. Tao M, Hackett P. *J Biol Chem* 248:5324-32, 10 Aug 73 (Eng)

PHOSPHORYLATION OF ADENOHYPHOSSEAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED PROTEIN KINASE. Lemay A, Deschenes M, Lemaire S, Poirier G, Poulin L, Labrie F. *J Biol Chem* 249:323-8, 10 Jan 74 (Eng)

CHANGES IN ADENOSINE 3,5-MONOPHOSPHATE LEVEL AND PROTEIN KINASE ACTIVITY BY GLUCAGON IN RAT

LIVER NUCLEI. Higashino H, Takeda M. *J Biochem (Tokyo)* 75:189-91, Jan 74 (Eng)

## PROTEIN KINASE TRANSLOCATION

PROTEIN KINASE TRANSLOCATION AS AN EARLY EVENT IN THE HORMONAL CONTROL OF UTERINE CONTRACTION. Korenman SG, Bhalla RC, Stevens RH. *Science* 183:430-2, 1 Feb 74 (Eng)

## PROTEIN SYNTHESIS

DECREASED PROTEIN SYNTHESIS BY MICROSOMES ISOLATED FROM SENESCENT RAT LIVER. Buctow DE, Gandhi PS. *Exp Gerontol* 8:243-9, Oct 73 (Eng)

## PSEUDOMONAS PUTIDA

REGULATION OF THE GLUCOLYTIC ENZYMES IN PSEUDOMONAS PUTIDA. Vicente M, Canovas JL. *Arch Mikrobiol* 93:53-64, 4 Oct 73 (Eng)

## PSYCHIC STRESS, ACUTE

THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE. Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J. *Psychother Psychosom* 22:131-40, 1973 (Eng)

## PUBERTY

[OBESITY IN PUBERTY AND ADULT AGE] Schoffing K. *Z Allgemeinmed* 50:159-67, 10 Feb 74 (Ger)

## PUERPERIUM

[LETTER: GLUCOSE TOLERANCE TEST IN THE PUERPERIUM] Beck L. *Z Geburtshilfe Perinatol* 177:453-4, Dec 73 (Ger)

## PURINE METABOLISM

A COMPARATIVE STUDY OF PURINE METABOLISM BY HUMAN AND PIG ERYTHROCYTES IN VITRO. Dean BM, Simmonds HA, Cadenhead A. *Biochem Pharmacol* 22:3189-98, 15 Dec 73 (Eng)

## PYELONEPHRITIS

[DEATHS CAUSED BY CHRONIC PYELONEPHRITIS AND KIMMELSTIEL-WILSON SYNDROME AMONG DIABETICS] Torzecka W, Mroszczyk M, Jurga-Wanick K. *WHO Tech Rep Ser* 27:405-9, 1 Mar 74 (Pol)

## PYRIDINE NUCLEOTIDE

PYRIDINE NUCLEOTIDES AND RATE CONTROL. Krebs HA. *Symp Soc Exp Biol* 27:299-318, 1973 (Eng) [37]

## PYRIDOXINE PARA-CHLORO-PHENOXY-ISOBUTYRATE

[PYRIDOXINE PARA-CHLORO-PHENOXY-ISOBUTYRATE. ANALYSIS OF HYPOLIPIDEMIC EFFECTS] Mirouze J, Orsetti A, Cartry E. *Nouv Presse Med* 2:3115-6, Dec 73 (Fre)

## PYRIMETHAMINE

IN VITRO INHIBITION OF LIPOLYSIS BY PYRIMETHAMINE IN BLOOD FROM DUCKS PARASITIZED WITH PLASMODIUM LOPHURAE. Hart LT, Dimopoulos GT, Mandhare KS. *Avian Dis* 17:752-7, Oct-Dec 73 (Eng)

## PYROPHOSPHATASE

STUDIES ON A PYROPHOSPHATASE AND GLUCOSE-6-PHOSPHATASE FROM ASPERGILLUS ORYZAE. Gold EW, Veitch FP. *Biochim Biophys Acta* 327:166-75, 15 Nov 73 (Eng)

## Diabetes Literature—Keyword Index

### PYRUVATE

[A MICROMETHOD FOR THE DETERMINATION OF LACTATE, PYRUVATE AND GLUCOSE FROM 0.1 ML OF BLOOD] Pannier R, Klimt F *Z Med Labortech* 14:285-94, 1973 (Ger)

ELEVATION OF HEPATIC PHENYLALANINE: PYRUVATE AMINOTRANSFERASE BY DIBUTYRYL CYCLIC AMP IN RATS. Fuller RW, Baker JC, Snoddy HD *Biochem Med* 9:301-8, Mar 74 (Eng)

### PYRUVATE CARBOXYLASE

PYRUVATE CARBOXYLASE. SPECIFIC INACTIVATION OF ACETYL COENZYME A-DEPENDENT OXYLACETATE SYNTHESIS DURING MODIFICATION OF THE ENZYME BY TRINITROBENZENE SULFONATE. Scrutton MC, White MD *J Biol Chem* 248:5541-4, 10 Aug 73 (Eng)

### PYRUVATE KINASE

PROPERTIES AND MECHANISM OF ACTION OF CREATINE KINASE FROM OX SMOOTH MUSCLE. ANION EFFECTS COMPARED WITH PYRUVATE KINASE. Focant B, Watts DC *Biochem J* 135:265-76, Oct 73 (Eng)

MULTIPLE IMMOBILIZED ENZYME REACTORS: DETERMINATION OF PYRUVATE AND PHOSPHOENOLPYRUVATE CONCENTRATIONS USING IMMOBILIZED LACTATE DEHYDROGENASE AND PYRUVATE KINASE. Newirth TL, Diegelman MA, Pye EK, Kallen RG *Biotechnol Bioeng* 15:1089-100, Nov 73 (Eng)

THE CONTROL OF PYRUVATE KINASES OF ESCHERICHIA COLI. I. PHYSICO-CHEMICAL AND REGULATORY PROPERTIES OF THE ENZYME ACTIVATED BY FRUCTOSE 1,6-DIPHOSPHATE. Waygood EB, Sanwal BD *J Biol Chem* 249:265-74, 10 Jan 74 (Eng)

[PURIFICATION AND KINETIC PROPERTIES OF MYCOBACTERIUM PHLEI PYRUVATE KINASE] Dudouet D, Le Cam-Sagniez M, Bernard S *Biochimie* 55:637-42, 1973 (Fre)

### PYRUVATE KINASE, BOVINE

BOVINE PYRUVATE KINASES. 3. HYBRIDS OF THE LIVER AND SKELETAL MUSCLE ISOZYMES. Dyson RD, Cardenas JM *J Biol Chem* 248:8482-8, 25 Dec 73 (Eng)

### PYRUVICEMIA

[HYPERALANINEMIA-PYRUVICEMIA: CHRONIC LACTIC ACIDOSIS] Tada K *Jap J Clin Med* 31:2456-62, 10 Aug 73 (Jap)

### RADIOIMMUNOASSAY

DEVELOPMENT AND APPLICATION OF A RADIOIMMUNOASSAY FOR PLASMA GLUCAGON. Sperling MA, DeLamater PV, Kazenelson M, Fiser RH, Fisher DA *Clin Chem* 20:566-70, May 74 (Eng)

### RADIOIMMUNOASSAY, SOLID PHASE

ROUTINE ULTRAMICRO-MEASUREMENT OF HUMAN GROWTH HORMONE IN PLASMA BY SOLID-PHASE RADIOIMMUNOASSAY. Ogawa N *Endocrinol Jap* 20:587-94, Dec 73 (Eng)

### RADIOIODINATED GROWTH HORMONE

PLASMA DISAPPEARANCE OF RADIOIODINATED DOG GROWTH HORMONE IN THE DOG. Kramer MW, Pearson SE, Michaelson SM *Horm Metab Res* 5:470-1, Nov 73 (Eng)

### RADIORECEPTOR ASSAY

HYPOGLYCEMIA IN ASSOCIATION WITH EXTRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA NSILA-S BY A NEW RADIORECEPTOR ASSAY. Megyesi K, Kahn CR, Roth J, Gordon P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)

### RATE CONTROL

PYRIDINE NUCLEOTIDES AND RATE CONTROL. Krebs HA *Symp Soc Exp Biol* 27:299-318, 1973 (Eng) [37]

### RECEPTOR

SPECIFIC PHOTOAFFINITY LABELING OF THE ADENOSINE 3:5-CYCLIC MONOPHOSPHATE RECEPTOR IN INTACT GHOSTS FROM HUMAN ERYTHROCYTES. Guthrow CE, Rasmussen H, Brunswick DJ, Cooperman BS *Proc Natl Acad Sci USA* 70:3344-6, Dec 73 (Eng)

THYROID HORMONE ACTION IN CELL CULTURE: DEMONSTRATION OF NUCLEAR RECEPTORS IN INTACT CELLS AND ISOLATED NUCLEI. Samuels HH, Tsai JS *Proc Natl Acad Sci USA* 70:3488-92, Dec 73 (Eng)

### RECEPTOR BLOCKADE

ADRENERGIC BETA-RECEPTOR BLOCKADE AND METABOLIC RESPONSE TO CENTRIFUGATION STRESS. Harrison MH *J Appl Physiol* 35:793-7, Dec 73 (Eng)

### REFLECTANCE METER

[PROCEEDINGS: USE OF THE ENZYMATIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS] Marigo S, Del Nevo G, Bini PP *Quad Scavo Diagn* 9:95-102, Mar 73 (Ita)

### REGENERATION

EFFECT OF CERTAIN METABOLIC REGULATORS ON THE ACTIVITY OF LYSOSOMAL ENZYMES IN REGENERATING RAT LIVER. Chatterjee J, Pal DR, Majumder PK, Chatterjee GC *Biochem Pharmacol* 23:752-4, 1 Feb 74 (Eng)

### RENAL CORTEX

PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION. Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

### RENAL CORTEX, RAT

[PARTICIPATION OF THE SEX HORMONES IN REALIZING THE REGULATORY INFLUENCE OF HYDROCORTISONE AND INSULIN ON ASPARTATE TRANSAMINASE ACTIVITY IN THE RENAL CORTEX OF MALE AND FEMALE RATS] Poletaeva KA *Vopr Med Khim* 19:358-61, Jul-Aug 73 (Rus)

### RENAL DISEASE

[STUDY OF PLASMA LEVELS OF FREE FATTY ACIDS AND LIPOPROTEIN LIPASE ACTIVITY IN PATIENTS WITH NEPHROTIC SYNDROME CAUSED BY INTRINSIC RENAL DISEASE] Faria CV de, Diamant J, Giannini SD *Rev Hosp Clin Fac Med Sao Paulo* 28:305-9, Nov-Dec 73 (Por)

LETTER: RENAL DISEASE AND DIABETES. Salomon MI *Arch Intern Med* 133:868, May 74 (Eng)

## RETICULUM, SARCOPLASMIC

### RENAL EXCRETION

THE RENAL EXCRETION OF NUTRIENTS IN PREGNANCY. Hytten FE *Postgrad Med J* 49:625-9, Sep 73 (Eng)

### RENAL METABOLISM

RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP. Bergman EN, Kaufman CF, Wolff JE, Williams HH *Am J Physiol* 226:R33-7, Apr 74 (Eng)

### RENIN, PLASMA

EFFECTS OF BETA ADRENERGIC BLOCKING AGENTS ON PLASMA RENIN ACTIVITY IN THE CONSCIOUS RABBIT. Weber MA, Thornell IR, Stokes GS *J Pharmacol Exp Ther* 188:234-40, Jun 74 (Eng)

### RESERPINE

RESERPINE-INDUCED GLYCOGEN ACCUMULATION IN THE EPITHELIAL CELLS OF THE MOUSE CHOROID PLEXUS. Suzuki Y, Ito T *Brain Res* 70:113-22, 12 Apr 74 (Eng)

### RESISTANCE

[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN] Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnava H *Diabetes* 23:268-75, Apr 74 (Eng)

### RESPIRATION

[COMPARATIVE STUDIES ON THE INFLUENCE OF CREATINE PHOSPHATE AND CREATININE PHOSPHATE ON RESPIRATION AND OXIDATIVE PHOSPHORYLATION OF ISOLATED HEART AND LIVER MITOCHONDRIA] Noack E *Arzneim Forsch* 23:1037-41, Aug 73 (Ger)

### RESPIRATORY DISTRESS SYNDROME

ESTIMATING LECITHIN-SPHINGOMYELIN AREA RATIO IN AMNIOTIC FLUID. A MODIFIED METHOD FOR THE PREDICTION OF NEONATAL RESPIRATORY DISTRESS. Richardson DG *S Afr Med J* 48:690-4, 6 Apr 74 (Eng)

### RETICULOCYTE

EFFECT OF CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ON RIBOSOMAL PROTEIN PHOSPHORYLATION IN RETICULOCYTES. Cawthon ML, Bitte LF, Krystosek A, Kabat D *J Biol Chem* 249:275-8, 10 Jun 74 (Eng)

### RETICULOCYTE, RABBIT

RABBIT RETICULOCYTE PHOSPHOFRUCTOKINASE. PURIFICATION AND SOME PROPERTIES. Kwiatkowska J *Biochim Biophys Acta* 321:475-83, 10 Oct 73 (Eng)

## RETICULUM, SARCOPLASMIC

EFFECTS OF RUTHENIUM RED ON CA20 UPTAKE AND ATPASE OF SARCOPLASMIC RETICULUM OF RABBIT SKELETAL MUSCLE. Vale MG, Carvalho AP *Biochim Biophys Acta* 325:29-37, 19 Oct 73 (Eng)

HYPOKALEMIC PERIODIC PARALYSIS. LOW ACTIVITY OF SARCOPLASMIC RETICULUM AND MUSCLE RIBOSOMES DURING AN INDUCED ATTACK. Ionescu V, Schochet SS Jr, Powers JM, Koob K, Conway TW *J Neurol Sci* 21:419-29, Apr 74 (Eng)

## Diabetes Literature—Keyword Index

### RETINA

#### RETINA

CAPILLARY RADIUS AND WALL THICKNESS IN NORMAL AND DIABETIC RAT RETINAE. Sosula L *Microvasc Res* 7:274-6, Mar 74 (Eng)

#### RETINOPATHY, DIABETIC

[NEW ASPECTS OF THE TREATMENT OF DIABETIC RETINOPATHY] Regnault F, Barre Y, Rietzler X, Fouquier E, Aubert P, Molinier A, Zata M *Therapeutique* 49:505-7, Sep-Oct 73 (Fre)

[ANGIOGRAPHIC CLASSIFICATION OF DIABETIC RETINOPATHY] Regnault F, Rietzler X, Chaslerie D *Bull Soc Ophthalmol Fr* 73:71-8, Jan 73 (Fre)

#### RETIREMENT COMMUNITY

EVALUATION OF CANCER RISK FACTORS IN A RETIREMENT COMMUNITY. Henderson BE, Bogdanoff E, Gerkins VR, SooHoo J, Arthur M *Cancer Res* 34:1045-8, May 74 (Eng)

#### REVERSIBLE BRIDGING COMPOUND

INSULIN SYNTHESIS FROM NATURAL CHAINS BY MEANS OF REVERSIBLE BRIDGING COMPOUNDS. Geiger R, Obermeier R *Biochem Biophys Res Commun* 55:60-6, 1 Nov 73 (Eng)

#### REYES SYNDROME

LETTER: REYES SYNDROME AND ITS TREATMENT. Mendoza SA, Schneider JA *Pediatrics* 53:769, May 74 (Eng)

#### RHEGMATOGENOUS DETACHMENT

SUBRETINAL FLUID BUTYRYLCHOLINESTERASE. 2. REOPERATED RHEGMATOGENOUS DETACHMENTS AND DIABETIC TRACTION DETACHMENTS. Kaufman PL, Podos SM *Am J Ophthalmol* 77:19-24, Jan 74 (Eng)

#### RHEOOPHTHALMOGRAPHY

[RHEOOPHTHALMOGRAPHY IN DIABETES MELLITUS] Beigel'man NB, Zaripov SM *Vestn Oftalmol* 6:55-7, May-Jun 73 (Rus)

#### RHESUS MONKEY

PROCEEDINGS: THE INFLUENCE OF GLUCAGON ON REGIONAL BLOOD FLOW IN THE RHESUS MONKEY. Branch RA, Nies AS, Shand DG *Br J Pharmacol* 49:149P, Sep 73 (Eng)

ALTERED GROWTH HORMONE HOMEOSTASIS DURING ACUTE BACTERIAL SEPSIS IN THE RHESUS MONKEY. Rayfield EJ, George DT, Beisel WR *J Clin Endocrinol Metab* 38:746-54, May 74 (Eng)

#### RHYTHM

STUDIES ON THE CIRCADIAN RHYTHM OF PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY IN RATS. II. EFFECT OF THE AUTONOMIC NERVOUS SYSTEM ON THE RHYTHM IN LIVER. Nagai K, Suda M, Nakagawa H *J Biochem (Tokyo)* 74:863-71, Nov 73 (Eng)

#### RIBOFLAVIN TETRABUTYRATE EFFECT

STUDIES ON THE EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE ATHEROSCLEROSIS INDUCED BY CHOLESTEROL FEEDING IN RABBITS. II. EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE FORMATION OF ATHEROSCLEROSIS. Lin JK, Hsu CY, Huang CH, Chiang HH, Tung TC *J Formosan Med Assoc* 72:472-9, Sep 73 (Eng)

#### RIBONUCLEIC ACID

THE ROLE OF MESSENGER RNA IN TYROSINE AMINOTRANSFERASE SUPERINDUCTION: EFFECTS OF CAMPTOTHECIN ON HEPATOMA CELLS IN CULTURE. Bushnell DE, Becker JE, Potter VR *Biochem Biophys Res Commun* 56:815-21, 4 Feb 74 (Eng)

#### RIBOSOMAL PROTEIN

EFFECT OF CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ON RIBOSOMAL PROTEIN PHOSPHORYLATION IN RETICULOCYTES. Cawthon ML, Bitte LF, Krystosek A, Kabat DJ *J Biol Chem* 249:275-8, 10 Jan 74 (Eng)

#### RISK FACTOR

EVALUATION OF CANCER RISK FACTORS IN A RETIREMENT COMMUNITY. Henderson BE, Bogdanoff E, Gerkins VR, SooHoo J, Arthur M *Cancer Res* 34:1045-8, May 74 (Eng)

#### RISK PREGNANCY

[CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE] Stolp W, Huernemann B, Mund-Hoym S, Hansmann M *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)

#### ROE PROCEDURE

A MODIFICATION OF THE ROE PROCEDURE FOR DETERMINATION OF FRUCTOSE IN TISSUES WITH INCREASED SPECIFICITY. Foreman D, Gaylor L, Evans E, Trella C *Anal Biochem* 56:584-90, Dec 73 (Eng)

#### RUMINANT

DEVELOPMENTAL ASPECTS OF GLUCOSE AND VFA METABOLISM IN THE GERM-FREE AND CONVENTIONAL RUMINANT. Ponto KH, Bergen WG *J Anim Sci* 38:893-9, Apr 74 (Eng)

#### RURAL PRACTICE

PATIENT EDUCATION OF DIABETICS IN A RURAL FAMILY PRACTICE. Origer WJ *Nebr Med J* 59:105-7, Apr 74 (Eng)

#### RUTHENIUM EFFECT

EFFECTS OF RUTHENIUM RED ON CA20 UPTAKE AND ATPASE OF SARCOPLASMIC RETICULUM OF RABBIT SKELETAL MUSCLE. Vale MG, Carvalho AP *Biochim Biophys Acta* 325:29-37, 19 Oct 73 (Eng)

#### SACCHAROMYCES CEREVISIAE

EFFECT OF CYCLIC AMP, THEOPHYLLINE AND CAFFEINE ON THE GLUCOSE REPRESSION OF SPORULATION IN SACCHAROMYCES CEREVISIAE. Tsuboi M, Yanagishima N *Arch Mikrobiol* 93:1-12, 4 Oct 73 (Eng)

#### SACCHAROSE

[UTILIZATION OF ALIMENTARY CARBOHYDRATES IN THE FATTENING CALF. 2. LACTOSE, SACCHAROSE, FRUCTOSE] Gropp J *Z Tierphysiol* 32:144-63, Nov 73 (Ger)

#### SAFFLOWER OIL

THE UTILIZATION BY GROWING LAMBS OF A CASEIN-SAFFLOWER OIL SUPPLEMENT TREATED WITH FORMALDEHYDE. Faichney GH, Scott TW, Cook LJ *Aust J Biol Sci* 26:1179-88, Oct 73 (Eng)

#### SARCOPLASMIC MEMBRANE

UNSATURATED FATTY ACIDS AS REACTIVATORS OF THE CALCIUM-DEPENDENT ATPASE OF DELIPIDATED SARCOPLASMIC MEMBRANES. The R, Hasselbach W *Eur J Biochem* 39:63-8, 1 Nov 73 (Eng)

#### SCHIZOPHRENIA

NICOTINIC ACID IN THE TREATMENT OF SCHIZOPHRENIA. Anonymous *Med Lett Drugs Ther* 15:107-8, 21 Dec 73 (Eng)

#### SCINTIGRAPHY

[CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE] Stolp W, Huernemann B, Mund-Hoym S, Hansmann M *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)

#### SCLERODERMA

[WERNERS SYNDROME. FAMILIAL ULCEROUS SCLERODERMA WITH CATARACT AND DIABETES] Vandaele R *Arch Belg Dermatol Syphiligr* 29:251-4, Jul-Sep 73 (Fre)

#### SCLEROIDERMIA, FAMILIAL ULCERATION

[WERNERS SYNDROME. FAMILIAL ULCEROUS SCLEROIDERMIA WITH CATARACTS AND DIABETES] Vandaele R *Arch Belg Dermatol* 29:251-4, Jul-Sep 73 (Fre)

#### SECRETIN

[BLOOD INSULIN FOLLOWING INJECTION OF ENTEROHORMONES (PANCREOZYMIN AND SECRETIN) AND ITS CORRELATION WITH THE EXOCRINE SECRETORY FUNCTION OF THE PANCREAS IN VARIOUS AGE GROUPS IN HEALTHY SUBJECTS] Szadkowski M *Pol Tyg Lek* 29:421-3, 18 Mar 74 (Pol)

#### SEDOHEPTULOSE-7-PHOSPHATE KINASE

SEDOHEPTULOSE-7-PHOSPHATE KINASE ACTIVITY OF PHOSPHOFRUCTOKINASE FROM THE DIFFERENT TISSUES OF RABBIT. Karadsheh NS, Tejwani GA, Ramaiah A *Biochim Biophys Acta* 327:66-81, 15 Nov 73 (Eng)

#### SEMEN

LONG-TERM THERAPY WITH LOW-DOSE CISLUMIPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE. Reyes FI, Fauman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]

#### SEPSIS

ALTERED GROWTH HORMONE HOMEOSTASIS DURING ACUTE BACTERIAL SEPSIS IN THE RHESUS MONKEY. Rayfield EJ, George DT, Beisel WR *J Clin Endocrinol Metab* 38:746-54, May 74 (Eng)

#### SEROTONIN ANTAGONIST

INHIBITION OF HYPOGLYCEMIA-INDUCED CORTISOL SECRETION BY THE SEROTONIN ANTAGONIST CYPROHEPTADINE. Plonk JW, Bivens CH, Feldman JM *J Clin Endocrinol Metab* 38:836-40, May 74 (Eng)

#### SEROTONIN, BRAIN

MODIFICATION OF BRAIN SEROTONIN BY THE DIET. Ferstrom JD *Annu Rev Med* 25:1-8, 1974 (Eng)

# SERUM GLUTAMIC OXALOACETIC TRANSAMINASE

[PROCEEDINGS: COMPARATIVE EVALUATION OF SGOT STUDY ON THE SMA-12-60 USING 460NM AND 340 NM METHODS] Fornasiero C *Quad Scavo Diagn* 9:130-6, Mar 73 (Ita)

# SERUM, HUMAN

VARIATIONS IN THE LEVEL OF HUMAN SERUM ALBUMIN DURING GLUCOSE TOLERANCE TEST. Awdch ZL, Islam MR, Samra SA *Biochem Biophys Res Commun* 56:358-62, 23 Jan 74 (Eng)

# SERUM, RABBIT

[STANDARD VALUES IN WHOLE BLOOD AND SERUM OF RABBITS] Hebold G, Bleuel H *Arzneim Forsch* 23:1079-81, Aug 73 (Ger)

# SEX

SEX-LINKED BLOOD-GLUCOSE PATTERN IN RATS UNDER VARYING TEST CONDITIONS. Hebold G, Bleuel H *Horm Metab Res* 5:361-8, Sep 73 (Eng)

# SEX HORMONE

[PARTICIPATION OF THE SEX HORMONES IN REALIZING THE REGULATORY INFLUENCE OF HYDROCORTISONE AND INSULIN ON ASPARTATE TRANSAMINASE ACTIVITY IN THE RENAL CORTEX OF MALE AND FEMALE RATS] Poletaeva KA *Vopr Med Khim* 19:358-61, Jul-Aug 73 (Rus)

# SEXUAL DYSFUNCTION

SEXUAL DYSFUNCTION IN DIABETIC MEN. Kolodny RC, Kahn CB, Goldstein HH, Barnett DM *Diabetes* 23:306-9, Apr 74 (Eng)

# SIGNAL COMPARATOR

DESIGN AND OPERATION OF A SIGNAL COMPARATOR TO INCREASE EFFICIENCY OF CONTINUOUS-FLOW ANALYZERS. Neeley WE, Wardlaw S, Swinnen ME *Clin Chem* 20:78-80, 1974 (Eng)

# SKELETAL MUSCLE

HORMONAL AND NUTRITIONAL INTER-RELATIONSHIPS AND THEIR EFFECTS ON SKELETAL MUSCLE. Trenkle A *J Anim Sci* 38:1142-9, May 74 (Eng) [50]

# SKELETAL MUSCLE, RABBIT

EFFECTS OF RUTHENIUM RED ON CA20 UPTAKE AND ATPASE OF SARCOPLASMIC RETICULUM OF RABBIT SKELETAL MUSCLE. Vale MG, Carvalho AP *Biochim Biophys Acta* 325:29-37, 19 Oct 73 (Eng)

# SKIN COLLAGEN

SKIN COLLAGEN IN DIABETES MELLITUS IN RELATION TO TREATMENT. Francis MJ, Ellis JP, Hockaday TD *Proc R Soc Med* 67:35-6, Jan 74 (Eng)

# SKIN, DIABETIC

THE GLYCOGEN IN SOME PARTS OF THE DIABETIC SKIN. Posinovec J, Skrabalo Z *Experientia* 30:305-6, 15 Mar 74 (Eng)

# SKIN, HUMAN

THE REGULATION OF FATTY ACID SYNTHESIS IN HUMAN SKIN FIBROBLASTS. INHIBITION OF FATTY ACID SYNTHESIS BY FREE FATTY ACIDS. Jacobs RA, Majerus PW *J Biol Chem* 248:8392-401, 25 Dec 73 (Eng)

# SLEEP

PROCEEDINGS: GROWTH HORMONE SECRETION DURING SLEEP IN SHORT CHILDREN: A CONTINUOUS SAMPLING STUDY. Howse PM, Rayner PH, Williams JW, Rudd BT *Arch Dis Child* 49:246, Mar 74 (Eng)

# SMA-12-60

[PROCEEDINGS: COMPARATIVE EVALUATION OF SGOT STUDY ON THE SMA-12-60 USING 460NM AND 340 NM METHODS] Fornasiero C *Quad Scavo Diagn* 9:130-6, Mar 73 (Ita)

# SODIUM BLOOD TRANSPORT

INFLUENCE OF MAXIMAL VASODILATION ON GLUCOSE AND SODIUM BLOOD-TISSUE TRANSPORT IN CANINE HEART. Duran WN, Alvarez OA, Yudilevich DL *Microvasc Res* 6:347-59, Nov 73 (Eng)

# SODIUM DODECYLBENZENE SULFONATE

CHANGES IN BLOOD GLUCOSE LEVEL INDUCED BY SODIUM DODECYLBENZENE SULFONATE (SDBS) IN RATS. Antal M *Z Ernahrungswiss* 12:144-51, Jun 73 (Eng)

# SODIUM ION

A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA0-K0 ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

# SODIUM PERBORATE

EFFECTS OF ADRENOCROME AND SODIUM PERBORATE ON ISOLATED FAT CELL METABOLISM. Wieser PB, Fain JN *Biochem Pharmacol* 22:3209-16, 15 Dec 73 (Eng)

# SOLID CULTURE MEDIUM

GROWTH OF CELLS ON SOLID CULTURE MEDIUM. I. GROWTH OF A HOMOGENEOUS CELL LAYER ON A SOLID CULTURE MEDIUM. Muller-Ontjes J *Biophysik* 10:143-55, 1973 (Eng)

# SOMATOSTATIN

ACUTE SUPPRESSION OF INSULIN AND GLUCOSE LEVELS BY SYNTHETIC SOMATOSTATIN IN NORMAL HUMAN SUBJECTS. DeVane GW, Siler TM, Yen SS *J Clin Endocrinol Metab* 38:913-5, May 74 (Eng)

# SOMATOTROPIC HORMONE

[EFFECT OF GROWTH HORMONE (STH) ON THE DYNAMICS OF ANTIBODY FORMATION IN ANIMALS IMMUNIZED WITH RS VIRUS] Wilczynski J, Sadowski W *Med Dosw Mikrobiol* 25:327-33, 1973 (Pol)

# SOMATOTROPIN

[PRESENT-DAY PROBLEMS OF THE THERAPEUTIC USE OF SOMATOTROPIN] Prandota J *Postepy Hig Med Dosw* 26:793-803, Nov-Dec 72 (Pol)

# SORBITOL EXCRETION

ABSORPTION AND EXCRETION OF SORBITOL AND MANNITOL IN TRANSURETHRAL RESECTION OF THE PROSTATE. Madsen PO, Naber KG *Invest Urol* 11:331-5, Jan 74 (Eng)

# SPIRILLUM ITERSOMII

TRANSPORT AND CATABOLISM OF D-FRUCTOSE BY SPIRILLUM ITERSOMII. Hylemon

PB, Krieg NR, Phipps PV Jr *J Bacteriol* 117:144-50, Jan 74 (Eng)

# SPLANCHNIC NERVE

EFFECT OF SPANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION. Kaneto A, Kajunuma H, Hayashi M, Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

# SPONTANEOUS BREATHING

ENFLURANE (ETHRANE) AND ISOFLURANE (FORANE): A COMPARISON WITH NINE GENERAL ANAESTHETICS DURING STRESS OF HYPOXIA (SPONTANEOUS BREATHING). Dobkin AB, Byles PH, Levy AA *Can Anaesth Soc J* 20:782-97, Nov 73 (Eng)

# SPONTANEOUSLY DIABETIC

EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS. Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)

# SPORULATION

EFFECT OF CYCLIC AMP, THEOPHYLLINE AND CAFFEINE ON THE GLUCOSE REPRESSION OF SPORULATION IN SACCHAROMYCES CEREVISIAE. Tsuboi M, Yanagishima N *Arch Mikrobiol* 93:1-12, 4 Oct 73 (Eng)

# SQUID

[LIPID AND FATTY ACID COMPOSITION OF NERVOUS TISSUE PHOSPHOLIPIDS OF SQUID, LOBSTER, DOGFISH AND COD] Noren R, Svennerholm L *Zh Evol Biokhim Fiziol* 9:225-34, May-Jun 73 (Rus)

# STARVATION

CONCOMITANT EFFECTS OF INSULIN ON SURFACE MEMBRANE CONFORMATION AND POLYSOME PROFILES OF SERUM-STARVED BALB-C 3T3 FIBROBLASTS. Evans RB, Morhenn V, Jones AL, Tomkins GM *J Cell Biol* 61:95-106, Apr 74 (Eng)

# STATIONARY CONTROL

ORGANIZATION OF GLYCOLYSIS: OSCILLATORY AND STATIONARY CONTROL. Hess B *Symp Soc Exp Biol* 27:105-31, 1973 (Eng) [28]

# STEADY STATE KINETICS

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. ASSAY AND STEADY STATE KINETICS. Duggleby RG, Dennis DT *J Biol Chem* 249:167-74, 10 Jan 74 (Eng)

# STEER

SOME EFFECTS OF FEEDING YOUNG STEERS ON A DIET DEFICIENT IN BOTH COBALT AND COPPER. MacPherson A, Moon FE, Voss RC *Br Vet J* 129:414-26, Sep-Oct 73 (Eng)

# STEROID RECEPTOR

NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS. Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

# STEROIDOGENESIS

REGULATION OF STEROIDOGENESIS BY ADRENOCORTICOTROPIC HORMONE IN ISOLATED ADRENAL CELLS OF RATS. Sharma RK *J Biol Chem* 248:5473-6, 10 Aug 73 (Eng)

## STOMACH

THE MECHANISM OF ACTION OF ADRENOCORTICOTROPIC HORMONE. THE ROLE OF MITOCHONDRIAL CHOLESTEROL ACCUMULATION IN THE REGULATION OF STEROIDOGENESIS. Mahaffee D, Reitz RC, Ney RL *J Biol Chem* 249:227-33, 10 Jan 74 (Eng)

## STOMACH

[MOTOR FUNCTION OF THE STOMACH IN PATIENTS WITH DUODENAL ULCER AFTER INTRAVENOUS ADMINISTRATION OF INSULIN BEFORE AND AFTER SELECTIVE VAGOTOMY] Babichenko ME *Klin Khir* 12:11-6, Dec 73 (Rus)

## STREPTOMYCES VIOLACEORUBER

TRANSPORT OF HEXOSES IN STREPTOMYCES VIOLACEORUBER. Sabater B, Asensio C *Eur J Biochem* 39:201-5, 1 Nov 73 (Eng)

## STREPTOZOTOCIN

FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES. Pitkin RM, Van Orden DE *Endocrinology* 94:1247-53, May 74 (Eng)

## STREPTOZOTOCIN INDUCED DIABETES

DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS. Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)

## STRESS

ADRENERGIC BETA-RECEPTOR BLOCKADE AND METABOLIC RESPONSE TO CENTRIFUGATION STRESS. Harrison MH *J Appl Physiol* 35:793-7, Dec 73 (Eng)

ENFLURANE (ETHRANE) AND ISOFLURANE (FORANE): A COMPARISON WITH NINE GENERAL ANAESTHETICS DURING STRESS OF HYPOXIA (SPONTANEOUS BREATHING). Dobkin AB, Byles PH, Levy AA *Can Anaesth Soc J* 20:782-97, Nov 73 (Eng)

[OXYGEN AND GLUCOSE CONSUMPTION BY AORTIC TISSUE DURING DIETARY ADMINISTRATION OF CHOLESTEROL AND NERVOUS SYSTEM STRESS] Khomulo PS, Mytareva LV, Zakirnichnaia GA *Kardiologia* 13:116-20, Jan 73 (Rus)

THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE. Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)

## STROKE

[PREVENTION OF CEREBRAL STROKES] Jarcema M *Neurol Neurochir Pol* 8:221-4, Mar-Apr 74 (Pol) [20]

FACTORS PREDISPOSING TO FATAL STROKE IN LONGSHOREMEN. Paffenbarger RS Jr *Prev Med* 1:522-8, Dec 72 (Eng)

[CEREBRAL STROKES OCCURRING AMONG DIABETICS TREATED AT A DEPARTMENT OF INTERNAL MEDICINE] Szulc EJ *Wiad Lek* 27:695-9, Apr 74 (Pol)

## STUDY, CLINICAL

LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS. Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)

## SUBCELLULAR DISTRIBUTION

THE METABOLISM OF THE SMALL INTESTINE: DIETARY INDUCTION, SUBCELLULAR DISTRIBUTION AND ISOENZYME PATTERN OF SOME KEY ENZYMES OF GLUCOSE METABOLISM IN OVINE JEJUNAL MUCOSA. Wahle KW *Comp Biochem Physiol* [B] 46:727-39, Dec 73 (Eng)

## SUBCELLULAR FRACTION

LIPID COMPOSITION AND METABOLIC ACTIVITY OF SUBCELLULAR FRACTIONS ISOLATED FROM RABBIT ATHEROSCLEROTIC LESIONS. Proudlock JW, Day AJ, Naughton JM *Exp Mol Pathol* 19:389-401, Dec 73 (Eng)

## SUBHUMAN PRIMATE

PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOID IN SUBHUMAN PRIMATES. Like AA, Chick WL *Am J Pathol* 75:329-48, May 74 (Eng)

## SUBRETINAL FLUID

SUBRETINAL FLUID BUTYRYLCHOLINESTERASE. 2. REOPERATED RHEGMATOGENOUS DETACHMENTS AND DIABETIC TRACTION DETACHMENTS. Kaufman PL, Podos SM *Am J Ophthalmol* 77:19-24, Jan 74 (Eng)

## SUBSTRATE ANALOGUE

KINETIC STUDIES ON GLUCOAMYLASE. VI. INHIBITION OF SUBSTRATE ANALOGUES. Hiromi K, Kawai M, Suetsugu N, Nitta Y, Hosotani T *J Biochem (Tokyo)* 74:935-43, Nov 73 (Eng)

## SUCROSE

NEW STUDIES ON AMYLOSUCRASE, A BACTERIAL ALPHA-D-GLUCOSYLASE THAT DIRECTLY CONVERTS SUCROSE TO A GLYCOGEN-LIKE ALPHA-GLUCAN. Okada G, Hehre EJ *J Biol Chem* 249:126-35, 10 Jan 74 (Eng)

## SUCROSE FEEDING

CHANGES IN SERUM PRE-BETALIPROTEIN FOLLOWING THE FEEDING OF SUCROSE. A PRELIMINARY TRIAL IN PHYSICALLY ACTIVE AND INACTIVE YOUNG MALE STUDENTS. Wille LE, Vellar OD, Hermansen L *J Oslo City Hosp* 23:141-56, Sep 73 (Eng)

## SUGAR

EFFECTS OF MUCOSAL HYPEROSMOLARITY ON ACTIVE SUGAR TRANSPORT AND THE SUGAR-EVOKED POTENTIAL IN ISOLATED SMALL INTESTINE OF THE TOAD. Saito Y, Hoshi T *Jap J Physiol* 23:419-34, Aug 73 (Eng)

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

## SUGAR ACCUMULATION

THE ACTIVE HEXOSE-UP TAKE SYSTEM OF CHLORELLA VULGARIS. KM-VALUES FOR 6-DEOXYGLUCOSE INFLUX AND EFFLUX AND THEIR CONTRIBUTION TO SUGAR ACCUMULATION. Komor E, Haass D, Komor B, Tanner W *Eur J Biochem* 39:193-200, 1 Nov 73 (Eng)

## SUGAR EFFECT

EFFECTS OF GENOTYPE, SUGAR, AND CONCENTRATION ON SUGAR PREFERENCE OF LABORATORY MICE (MUS MUSCULUS). Stockton MD, Whitney G *J Comp Physiol Psychol* 86:62-8, Jan 74 (Eng)

## SUGAR INDUCED

EFFECT OF MENADIONE AND OTHER FACTORS ON SUGAR-INDUCED HEART LESIONS AND HEMORRHAGIC SYNDROME IN THE PIG. Brooks CC, Nakamura RM, Miyahara AY *J Anim Sci* 37:1344-50, Dec 73 (Eng)

## SUGAR TRANSPORT

EFFECTS OF MUCOSAL HYPEROSMOLARITY ON ACTIVE SUGAR TRANSPORT AND THE SUGAR-EVOKED POTENTIAL IN ISOLATED SMALL INTESTINE OF THE TOAD. Saito Y, Hoshi T *Jap J Physiol* 23:419-34, Aug 73 (Eng)

## SUGAR UPTAKE

FINE CONTROL OF SUGAR UPTAKE BY ESCHERICHIA COLI. Kornberg HL *Symp Soc Exp Biol* 27:175-93, 1973 (Eng) [71]

## SULFAMETHOXYPYRAZINE EFFECT

[STUDIES ON THE EFFECT OF SULFAMETHOXYPYRAZINE (LONGUM) ON CARBOHYDRATE METABOLISM IN DIABETIC PATIENTS] Stotter G, Riederle K *Fortschr Med* 92:442-4, 11 Apr 74 (Ger)

## SULFONYLUREA

SULFONYLUREAS AND THE HEART. Levey GS, Lasseter KC, Palmer RF *Annu Rev Med* 25:69-74, 1974 (Eng) [24]

## SURFACE MEMBRANE CONFORMATION

CONCOMITANT EFFECTS OF INSULIN ON SURFACE MEMBRANE CONFORMATION AND POLYSOME PROFILES OF SERUM-STARVED BALB-C 3T3 FIBROBLASTS. Evans RB, Morhenn V, Jones AL, Tomkins GM *J Cell Biol* 61:95-106, Apr 74 (Eng)

## SURGERY

[PHYSIOPATHOLOGICAL AND ANATOMOCNICAL BASES OF SURGERY OF DUODENAL ULCER (CORTICAL, DIENEPHALIC, HYPOPHYSEAL, PANCREATIC, ADRENAL) AND VAGOGASTRIC PATHOGENIC HYPOTHESIS] Mandache F, Prodescu V, Constantinescu S, Vasiliu M, Ghergut A *Chirurgia (Bucur)* 23:97-110, Feb 74 (Rum)

SURVIVAL RATES IN SURGERY OF THE AGED. ASSESSMENT OF LONG-TERM PROGNOSIS ACCORDING TO COEXISTING DISEASES. Andersen B, Ostberg J *Gerontol Clin (Basel)* 14:354-60, 1972 (Eng)

## SURGICAL INFECTION

MORTALITY OF DIABETIC PATIENTS TREATED SURGICALLY FOR LOWER LIMB INFECTION AND OR GANGRENE. Kahn O, Wagner W, Bessman AN *Diabetes* 23:287-92, Apr 74 (Eng)

## SURGICAL THERAPY

[MALABSORPTION CAUSED BY JEJUNOILEOSTOMY AS SURGICAL THERAPY OF EXTREME ADIPOSITAS] Husemann B *Chirurg* 45:13-6, Jan 74 (Ger)

SURGICAL THERAPY OF CHRONIC PEPTIC ULCER. PREOPERATIVE ASSESSMENT, CHOICE OF OPERATIONS, AND CONSEQUENCES. Dodsworth JM, Fischer JE *Surg Clin North Am* 54:529-47, Jun 74 (Eng) [124]

# THYROIDECTOMY

## SURGICAL TREATMENT

[CHARACTERISTICS OF CLINICAL COURSE AND SURGICAL TREATMENT OF THE URINARY TRACT DISEASES IN PATIENTS WITH DIABETES MELLITUS] Serniak PS, Makovskii VG, Chumak GO *Sov Med* 36:94-9, Nov 73 (Rus)

## SURVEY

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

## SURVIVAL TIME

EFFECTS OF MODIFYING UREA HYDROLYSIS IN ACUTE NEPHRECTOMY ON SURVIVAL, AMMONIA IN CECAL CONTENTS AND BLOOD METABOLITES. Prior RL, Visek WJ *Proc Soc Exp Biol Med* 144:184-8, 1 Oct 73 (Eng)

SURVIVAL RATES IN SURGERY OF THE AGED. ASSESSMENT OF LONG-TERM PROGNOSIS ACCORDING TO COEXISTING DISEASES. Andersen B, Ostberg J *Gerontol Clin (Basel)* 14:354-60, 1972 (Eng)

## SWINE

POTENTIAL MECHANISMS RESPONSIBLE FOR PRENATAL AND PERINATAL MORTALITY OR LOW VIABILITY OF SWINE. Stanton HC, Carroll JK *J Anim Sci* 38:1037-44, May 74 (Eng) [53]

## SYMPATHO-ADRENAL SYSTEM

[CHANGES IN THE CARBOHYDRATE AND FAT METABOLIC INDICES, THE STATE OF THE SYMPATHO-ADRENAL SYSTEM AND OXIDATIVE PROCESS UNDER THE EFFECT OF COLD OF DIFFERENT INTENSITIES] Liakh LO *Fiziol Zh* 19:503-10, Jul-Aug 73 (Ukr)

## SYNDROME

EFFECT OF MENADIONE AND OTHER FACTORS ON SUGAR-INDUCED HEART LESIONS AND HEMORRHAGIC SYNDROME IN THE PIG. Brooks CC, Nakamura RM, Miyahara AY *J Anim Sci* 37:1344-50, Dec 73 (Eng)

## SYNTHETASE

INHIBITION OF FATTY ACID SYNTHESIS BY THE ANTIBIOTIC CERULENIN. SPECIFIC INACTIVATION OF BETA-KETOACYL-ACYL CARRIER PROTEIN SYNTHETASE. D'Agno G, Rosenfeld IS, Awaya J, Omura S, Vagelos PR *Biochim Biophys Acta* 326:155-6, 29 Nov 73 (Eng)

REGULATION OF MAMMALIAN FATTY-ACID SYNTHETASE. THE ROLES OF CARBOHYDRATE AND INSULIN. Volpe JJ, Vagelos PR *Proc Natl Acad Sci USA* 71:889-93, Mar 74 (Eng)

## SYSTEMIC DISEASE

OCULAR MANIFESTATIONS OF SYSTEMIC DISEASES. Schmidt I *Am J Optom Physiol Opt* 51:228-39, Mar 74 (Eng) [88]

## TEGRETOL

[TEGRETOL IN DIABETIC NEUROPATHIES] Fernandez Alvarez O *Rev Iber Endocrinol* 21:75-83, Jan 74 (Spa)

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## TESTING PROCEDURE

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## TESTOSTERONE

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## TETRAHYMENA METABOLISM

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EFFECTS OF ADRENERGIC AGENTS, THEOPHYLLINE AND OTHER DRUGS ON DEXTRAN EDEMA AND HISTAMINE RELEASE IN RATS. Baxter JH, Beaven MA, Horakova Z *Biochem Pharmacol* 23:1211-7, 1 Apr 74 (Eng)

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## THEOPHYLLINE EFFECT

EFFECT OF CYCLIC AMP, THEOPHYLLINE AND CAFFEINE ON THE GLUCOSE REPRESSION OF SPORULATION IN SACCHAROMYCES CEREVISIAE. Tsuboi M, Yanagishima N *Arch Mikrobiol* 93:1-12, 4 Oct 73 (Eng)

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## THERMAL CALCULATION

ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY. Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

## THERMOGENESIS

ROLE OF ADIPOSE TISSUE LIPOLYSIS IN POSTNATAL AMELIORATION OF THERMOGENESIS IN DOMESTIC AND WILD PIGLETS. Horn GW, Foley CW, Seerley RW, Munnell JF *J Anim Sci* 37:1356-61, Dec 73 (Eng)

COLD-INDUCED THERMOGENESIS IN DOGS: ITS REDUCTION BY MODERATE HYPOXIA. Blatteis CM, Lutherer LO *J Appl Physiol* 35:608-12, Nov 73 (Eng)

## THERMOVISION

[INFRARED THERMOVISION AND JUVENILE DIABETES] Stavratjev M, Stavratjevo A, Osickova L *Cesk Pediatr* 29:145-7, Mar 74 (Cze)

## THICKNESS, CAPILLARY WALL

CAPILLARY RADIUS AND WALL THICKNESS IN NORMAL AND DIABETIC RAT RETINAE. Sosula L *Microvasc Res* 7:274-6, Mar 74 (Eng)

## THIOBACILLUS NEAPOLITANUS

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## THROMBOSIS, DEEP VEIN

LETTER: FIBRINOLYTIC ACTIVITY AND DEEP-VEIN THROMBOSIS. Giles AR *Lancet* 1:803, 27 Apr 74 (Eng)

## THYMECTOMY EFFECT

THE EFFECT OF THYMECTOMY ON THE FATTY ACID CONCENTRATION OF PLASMA, LIVER AND FAT PADS. Nardell BE *J Baltimore Coll Dent Surg* 28:18-34, Jul 73 (Eng)

## THYROID

THE THYROID AND ATHEROSCLEROTIC ARTERIAL DISEASE. Menof P S *Afr Med J* 47:2315-25, 8 Dec 73 (Eng)

ROLE OF THE THYROID IN THE DEVELOPMENT OF THE OBESE-HYPERGLYCEMIC SYNDROME IN MICE (OBOB). Joosten HF, Kroon PH van der *Metabolism* 23:425-36, May 74 (Eng)

## THYROID GLAND

[INTERPRETATION OF THE RESULTS OF HISTOCHEMICAL STUDY OF CARBOHYDRATE METABOLISM IN THE THYROID GLAND] Tkachev AV, Vazilo VE, Zaichik VE *Probl Endokrinol (Mosk)* 19:104-6, Nov-Dec 73 (Rus)

[MEDULLARY CARCINOMA OF THE THYROID GLAND. MORPHOLOGY, FREQUENCY, AND CLINICAL ASPECTS] Jaques C *Schweiz Med Wochenschr* 104:565-70, 20 Apr 74 (Fre)

## THYROID HORMONE

THYROID HORMONE ACTION IN CELL CULTURE: DEMONSTRATION OF NUCLEAR RECEPTORS IN INTACT CELLS AND ISOLATED NUCLEI. Samuels HH, Tsai JS *Proc Natl Acad Sci USA* 70:3488-92, Dec 73 (Eng)

COLD ADAPTATION. 3. EFFECTS OF CATECHOLAMINES AND THYROID HORMONE ON INDUCTION OF LIVER PHOSPHOENOLPYRUVATE CARBOXYKINASE ON COLD-EXPOSURE. Nagai K, Nakagawa H *J Biochem (Tokyo)* 74:873-9, Nov 73 (Eng)

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## THYROID HORMONE EFFECT

EFFECT OF THYROID HORMONES AND DIETARY FAT ON THE INTERRELATION OF LIPID AND CARBOHYDRATE METABOLISM IN RATS. Felt V *Endocrinol Exp (Bratisl)* 7:283-91, 1973 (Eng)

## THYROID STIMULATING HORMONE

STIMULATION OF TSH RELEASE AND GLUCOSE OXIDATION IN PITUITARIES FROM THYROIDECTOMIZED RATS BY THYROTROPIN RELEASING FACTOR (TRF). Dubovsky EV, Beschi RJ, Pittman JA, Lindsay RH *Acta J Med Sci* 10:270-7, Jul 73 (Eng)

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## THYROTROPIN RELEASING FACTOR

STIMULATION OF TSH RELEASE AND GLUCOSE OXIDATION IN PITUITARIES FROM THYROIDECTOMIZED RATS BY THYROTROPIN RELEASING FACTOR (TRF). Dubovsky EV, Beschi RJ, Pittman JA, Lindsay RH *Ala J Med Sci* 10:270-7, Jul 73 (Eng)

## THYROXINE

CELL KINETICS OF THE GROWTH PLATE IN HYPOPHYSECTOMIZED RATS TREATED WITH GROWTH HORMONE AND THYROXINE. Thorngren KG, Hansson LI *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73 (Eng)

## THYROXINE EFFECT

EFFECT OF THYROXINE AND GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 74:24-40, Sep 73 (Eng)

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EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brodin S *Biochem Biophys Res Commun* 56:1045-51, 27 Feb 74 (Eng)

## TOLBUTAMIDE EFFECT

EFFECT OF TOLBUTAMIDE ON THE METABOLISM OF TETRAHYMENA. Blum JJ, Connert RJ, Porter P *J Cell Physiol* 83:275-86, Apr 74 (Eng)

## TOXICOLOGY

[TOXICITY AND PHARMACOLOGICAL PROPERTIES OF ANTINEOPLASTIC ANTIBIOTIC 1719 FROM THE CLASS OF DIAZO COMPOUNDS] Gol'dberg LE, Stepanova ES, Filippos'iants ST *Antibiotiki* 18:332-8, Apr 73 (Rus)

## TRACE ELEMENT

[TRACE ELEMENTS AND BLOOD COAGULATION IN DIABETIC GANGRENE] Kuleshov EV, Kuleshova Iu *Klin Med (Mosk)* 51:115-21, Nov 73 (Rus)

## TRANSAMINASE ACTIVITY

[PARTICIPATION OF THE SEX HORMONES IN REALIZING THE REGULATORY INFLUENCE OF HYDROCORTISONE AND INSULIN ON ASPARTATE TRANSAMINASE ACTIVITY IN THE RENAL CORTEX OF MALE AND FEMALE RATS] Poletaeva KA *Vopr Med Khim* 19:358-61, Jul-Aug 73 (Rus)

## TRANSCAPILLARY EXCHANGE

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## TRANSFER

YEAST 3-PHOSPHOGLYCERATE KINASE: EVIDENCE FOR A GLUTAMYL RESIDUE IN THE PHOSPHORYL TRANSFER. Brevet A, Roustan C, Desvages G, Pradel LA, Thoai N van *Eur J Biochem* 39:141-7, 1 Nov 73 (Eng)

## TRANSFERASE

VINYLGLYCOLIC ACID. AN INACTIVATOR OF THE PHOSPHOENOLPYRUVATE-PHOSPHATE TRANSFERASE SYSTEM IN *ESCHERICHIA COLI*. Walsh CT, Kaback HR *J Biol Chem* 248:5456-62, 10 Aug 73 (Eng)

## TRANSLOCATOR

KINETICS AND MECHANISM OF THE EXCHANGE REACTIONS CATALYSED BY THE OXOGLUTARATE TRANSLOCATOR OF RAT-HEART MITOCHONDRIA. Sluse FE, Liebecq C *Biochimie* 55:747-54, 1973 (Eng)

## TRANSPLANTATION

VASCULARIZED TRANSPLANTATION OF THE RAT PANCREAS WITHOUT DUODENUM. Nozawa M, Weil R 3d, McIntosh R, Reemtsma K *Transplantation* 17:137-40, 1 Jan 74 (Eng)

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[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

## TRANSPLANTATION, RENAL

DIABETES AND RENAL TRANSPLANTATION. A HYPOTHESIS. Kemp E, Kjaergaard E, Jensen IM, Svendsen EV *Scand J Urol Nephrol* 8:50-3, 1974 (Eng)

[LARGE INTRAVENOUS DOSES OF CORTISONE IN RENAL TRANSPLANTATION] Stummvoll HK, Pinggera WF, Oppolzer R, Singer F, Wolf A *Wien Med Wochenschr* 124:232-5, Apr 74 (Ger)

DIABETIC NEPHROPATHY AND RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ *Minn Med* 57:356-60, May 74 (Eng)

## TRANSPORT, GALACTOSE

THE REGULATION AND PROPERTIES OF THE GALACTOSE TRANSPORT SYSTEM IN *ESCHERICHIA COLI* K12. Wilson DB *J Biol Chem* 249:553-8, 25 Jan 74 (Eng)

## TRANSPORT, GLUCOSE

PROCEEDINGS: EFFECTS OF PHENOBARBITONE ON GLUCOSE TRANSPORT AND MEMBRANE ATP-ASE ACTIVITIES OF CEREBRAL CORTEX. Gilbert JC *Br J Pharmacol* 44:338P-339P, Feb 72 (Eng)

## TRANSPORT SYSTEM

REGULATION OF TRANSPORT SYSTEMS: A MEANS OF CONTROLLING METABOLIC RATES. Pardee AB, Palmer LM *Symp Soc Exp Biol* 27:133-44, 1973 (Eng) [52]

[THREE CLASSES OF TRANSPORT SYSTEMS IN BACTERIA] Kepes A *Biochimie* 55:693-702, 1973 (Fre) [31]

## TRANSURETHRAL RESECTION

ABSORPTION AND EXCRETION OF SORBITOL AND MANNITOL IN TRANSURETHRAL RESECTION OF THE PROSTATE. Madsen PO, Naber KG *Invest Urol* 11:331-5, Jan 74 (Eng)

## TRAUMA

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

GLUCAGON AND THE INSULIN: GLUCAGON RATIO IN SEVERE TRAUMA. Lindsey CA, Faloona GR, Unger RA *Trans Assoc Am Physicians* 86:264-71, 1973 (Eng)

## TRAUMATIZED, RABBIT

[BLOOD GLUCOSE AND PLASMA INSULIN IN TRAUMATIZED RABBITS. AN EXPERIMENTAL STUDY] Koch G *Bruns Beitr Klin Chir* 221:158-63, Mar 74 (Ger)

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THE ROLE OF MITOCHONDRIAL TRICARBOXYLATE ANION TRANSPORT IN METABOLISM. Robinson BH *Symp Soc Exp Biol* 27:195-214, 1973 (Eng) [32]

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[EFFECTS OF REPEATED ADMINISTRATION OF INTRAVENOUSLY INJECTED GLUCOSE ON BLOOD INSULIN AND TRIGLYCERIDES IN A GROUP OF EUCRINE OLD PERSONS] Cucinotta D, Ferretti G, Marchini L, Monica C, Passeri M *G Clin Med* 54:579-97, Sep 73 (Ita)

## TRIGLYCERIDE, SERUM

CORRELATIONS OF SERUM TRIGLYCERIDE AND PREBETALIPROTEIN LEVELS TO THE SEVERITY OF SPONTANEOUS DIABETES IN *MACACA NIGRA*. Howard CF Jr *J Clin Endocrinol Metab* 38:856-60, May 74 (Eng)

## TRIIODOTHYRONINE

SERUM TRIIODOTHYRONINE IN HEALTH AND DISEASE. Patel YC, Burger HG *Clin Endocrinol (Oxf)* 2:339-49, Oct 73 (Eng)

## TRINITROBENZENE SULFONATE

PYRUVATE CARBOXYLASE. SPECIFIC INACTIVATION OF ACETYL COENZYME A-DEPENDENT OXYLACETATE SYNTHESIS DURING MODIFICATION OF THE ENZYME BY TRINITROBENZENE SULFONATE. Scrutton MC, White MD *J Biol Chem* 248:5541-4, 10 Aug 73 (Eng)

## TRYPANOSOMA CONGOLENSIS INFECTION

EFFECTS OF PREGNANCY ON TRYPANOSOMA CONGOLENSIS INFECTION IN RATS: SERUM BIOCHEMISTRY AND CELLULAR DISORDERS. Simaren JO, Awopetu JJ *Ann Parasitol Hum Comp* 48:433-46, Mar-Jun 73 (Eng)

## TRYPTOPHAN OXYGENASE

[THE RELATIONSHIP BETWEEN THYROID HORMONES AND THE INDUCTION OF TRYPTOPHAN OXYGENASE BY INSULIN] Stroeve EA, Iliukhin VI *Probl Endokrinol (Mosk)* 19:82-4, Jul-Aug 73 (Rus)

## TUBERCULOSIS

[CHANGES IN THE PEPTIDE MAPS AND OPTICAL ROTATORY DISPERSION OF SERUM ALBUMIN IN TUBERCULOSIS AND ITS COMBINATION WITH DIABETES] Vinokurova KA *Vopr Med Khim* 19:84-6, Jan-Feb 73 (Rus)

LOWER LUNG FIELD TUBERCULOSIS. Berger HW, Granada MG *Chest* 65:522-6, May 74 (Eng) [22]

# TUBULE, PROXIMAL

THE ROLE OF THE CONVOLUTED SEGMENT OF THE PROXIMAL TUBULE IN THE DISPOSAL OF 131-I-INSULIN IN THE RAT KIDNEY. Sotturrai V *Am J Anat* 140:181-90, Jan 74 (Eng)

# TUMOR

A DERMATOSIS SPECIFICALLY ASSOCIATED WITH A TUMOUR OF PANCREATIC ALPHA CELLS. Sweet RD *Br J Dermatol* 90:301-8, Mar 74 (Eng)

THE HUMAN PANCREATIC ISLET CELLS AND THEIR TUMORS. II. ULCEROGENIC AND DIARRHOEOGENIC TUMORS. Greider MH, Rosai J, McGuigan JE *Cancer* 33:1423-43, May 74 (Eng)

[BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD] Kaser H, Wagner HP, Zuppinger K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)

# TUMOR CELL

INFLUENCE OF LITHIUM IONS ON EPINEPHRINE-STIMULATED ADENYLATE CYCLASE ACTIVITY IN CULTURED GLIAL TUMOR CELLS. Schimmer BP *Biochim Biophys Acta* 327:186-92, 15 Nov 73 (Eng)

# TUMOR, LUNG

STIMULATION OF GROWTH HORMONE RELEASE FROM SUPERFUSED RAT PITUITARY BY EXTRACTS OF HYPOTHALAMUS AND OF HUMAN LUNG TUMORS. Beck C, Larkins RG, Martin TJ, Burger HG *J Endocrinol* 59:325-33, Nov 73 (Eng)

# TUMORAL

[TUMORAL HYPOGLYCEMIA AND ITS TREATMENT] Debry G *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)

# TWO MINUTES

TWO MINUTES WITH DIABETES. Whitehouse FW *Med Times* 102:85-6, Apr 74 (Eng)

# TYROSINE AMINOTRANSFERASE

THE ROLE OF MESSENGER RNA IN TYROSINE AMINOTRANSFERASE SUPERINDUCTION: EFFECTS OF CAMPTOTHECIN ON HEPATOMA CELLS IN CULTURE. Bushnell DE, Becker JE, Potter VR *Biochem Biophys Res Commun* 56:815-21, 4 Feb 74 (Eng)

# TYROSINE TRANSAMINASE

HORMONAL REGULATION OF TYROSINE TRANSAMINASE SYNTHESIS IN ISOLATED, RAT LIVER PERFUSED WITH SYNTHETIC MEDIUM. Otsuka H *J Biochem (Tokyo)* 75:53-8, Jan 74 (Eng)

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[MOTOR FUNCTION OF THE STOMACH IN PATIENTS WITH DUODENAL ULCER AFTER INTRAVENOUS ADMINISTRATION OF INSULIN BEFORE AND AFTER SELECTIVE VAGOTOMY] Babichenko ME *Klin Khir* 12:11-6, Dec 73 (Rus)

# ULCERATION

[WERNERS SYNDROME. FAMILIAL ULCEROUS SCLERODERMA WITH CATARACT AND DIABETES] Vandaele R *Arch Belg Dermatol Syphiligr* 29:251-4, Jul-Sep 73 (Fre)

# ULCERO MUTILATING ACROPATHY

[LETTER: ULCERO-MUTILATING ACROPATHIES AND DIABETIC PERFORATING PLANTAR DISEASES] Schmidt C, Royer RJ *Nouv Presse Med* 3:528, 2 Mar 74 (Fre)

# ULCEROGENIC TUMOR

THE HUMAN PANCREATIC ISLET CELLS AND THEIR TUMORS. II. ULCEROGENIC AND DIARRHOEOGENIC TUMORS. Greider MH, Rosai J, McGuigan JE *Cancer* 33:1423-43, May 74 (Eng)

# UPPER GASTROINTESTINAL ENDOSCOPY

THE USE OF GLUCAGON DURING UPPER GASTROINTESTINAL ENDOSCOPY. Hradsky M, Stockbrugger R, Dotevall G, Ostberg H *Gastrointest Endosc* 20:162, May 74 (Eng)

# UREA

EFFECTS OF MODIFYING UREA HYDROLYSIS IN ACUTE NEPHRECTOMY ON SURVIVAL, AMMONIA IN CECAL CONTENTS AND BLOOD METABOLITES. Prior RL, Visek WJ *Proc Soc Exp Biol Med* 144:184-8, 1 Oct 73 (Eng)

# URETERAL CONDUIT

URETERAL CONDUIT IN PANCREATIC TRANSPLANTATION. Whittaker JR, Veith FJ, Gold M, Freed S, Gliedman ML *Invest Urol* 11:315-8, Jan 74 (Eng)

# URIDINE DIPHOSPHATE GALACTOSE

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# URINARY EXCRETION

URINARY AND FECAL EXCRETION AND INCORPORATION OF 14C-ESTRADIOL IN FAT DEPOSITS OF OBESE AND LEAN RATS. Innami S, Yang MG, Mickelsen O *Proc Soc Exp Biol Med* 144:220-4, 1 Oct 73 (Eng)

# URINARY GLUCOSE DETERMINATION

A SIMPLE METHOD TO PREVENT VITAMIN C INTERFERENCE WITH URINARY GLUCOSE DETERMINATIONS. Brandt R, Guyer KE, Banks WL Jr *Clin Chim Acta* 51:103-4, 28 Feb 74 (Eng)

# URINARY INFECTION

[URINARY INFECTION IN DIABETES] Schrub JC, Courtois H, Prodhomme H *Cah Med* 14:923-7, 30 Oct 73 (Fre)

# URINARY TRACT

[CHARACTERISTICS OF CLINICAL COURSE AND SURGICAL TREATMENT OF THE URINARY TRACT DISEASES IN PATIENTS WITH DIABETES MELLITUS] Serniak PS, Makovskii VG, Chumak GO *Sov Med* 36:94-9, Nov 73 (Rus)

# UTERINE CONTRACTION

PROTEIN KINASE TRANSLOCATION AS AN EARLY EVENT IN THE HORMONAL CONTROL OF UTERINE CONTRACTION.

Korenman SG, Bhalla RC, Stevens RH *Science* 183:430-2, 1 Feb 74 (Eng)

# UTERO-PLACENTAL

[CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE] Stolp W, Hurnemann B, Mund-Hoym S, Hansmann M *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)

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# VAGOTOMY

WHICH VAGOTOMY WHICH DRAINAGE Kennedy T *Proc R Soc Med* 67:3-4, Jan 74 (Eng)

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL)] Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena)* 46:15-24, 1973 (Ger)

[THE HISTOCHEMICAL EVIDENCE OF INSULIN IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL)] Dorn A, Lorenz D, Petermann J, Beckert R *Acta Histochem (Jena)* 46:42-8, 1973 (Ger)

# VAGOTOMY, SELECTIVE

[MOTOR FUNCTION OF THE STOMACH IN PATIENTS WITH DUODENAL ULCER AFTER INTRAVENOUS ADMINISTRATION OF INSULIN BEFORE AND AFTER SELECTIVE VAGOTOMY] Babichenko ME *Klin Khir* 12:11-6, Dec 73 (Rus)

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MYOCARDIAL INFARCTION AFTER EXERCISE-INDUCED ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH VARIANT ANGINA PECTORIS. Sweet RL, Sheffield LT *Am J Cardiol* 33:813-7, 20 May 74 (Eng)

# VASCULARIZED TRANSPLANTATION

VASCULARIZED TRANSPLANTATION OF THE RAT PANCREAS WITHOUT DUODENUM. Nozawa M, Weil R 3d, McIntosh R, Reemtsma K *Transplantation* 17:137-40, 1 Jan 74 (Eng)

# VASODILATATION

INFLUENCE OF MAXIMAL VASODILATION ON GLUCOSE AND SODIUM BLOOD-TISSUE TRANSPORT IN CANINE HEART. Duran WN, Alvarez OA, Yudilevich DL *Microvasc Res* 6:347-59, Nov 73 (Eng)

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EFFECT OF CHLORPROPAMIDE ON OSMOTIC WATER FLOW ACROSS TOAD BLADDER AND THE RESPONSE TO VASOPRESSIN, THEOPHYLLINE AND CYCLIC AMP. Mendoza SA, Brown CF Jr *J Clin Endocrinol Metab* 38:883-9, May 74 (Eng)

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VINYLGLYCOLIC ACID. AN INACTIVATOR OF THE PHOSPHOENOLPYRUVATE-PHOSPHATE TRANSFERASE SYSTEM IN *ESCHERICHIA COLI*. Walsh CT, Kaback HR *J Biol Chem* 248:5456-62, 10 Aug 73 (Eng)

#### VIRUS

[EFFECT OF GROWTH HORMONE (STH) ON THE DYNAMICS OF ANTIBODY FORMATION IN ANIMALS IMMUNIZED WITH RS VIRUS] Wilczynski J, Sadowski W *Med Dosw Mikrobiol* 25:327-33, 1973 (Pol)

PANCREATIC INVOLVEMENT BY VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS IN THE HAMSTER. Goretkin L, Jahrling PB *Am J Pathol* 75:349-62, May 74 (Eng)

#### VISION

A DOSAGE AID FOR PATIENTS WITH IMPAIRED VISION. Wright FA, Vallotton WW, Hargest TS *Trans Am Acad Ophthalmol Otolaryngol* 78:OP237-8, Mar-Apr 74 (Eng)

#### VITAMIN B6

GROWTH HORMONE LEVELS IN VITAMIN B6-DEFICIENT RATS. Makris A, Gershoff SH *Horm Metab Res* 5:457-61, Nov 73 (Eng)

#### VITAMIN C

A SIMPLE METHOD TO PREVENT VITAMIN C INTERFERENCE WITH URINARY GLUCOSE DETERMINATIONS. Brandt R, Guyer KE, Banks WL Jr *Clin Chim Acta* 51:103-4, 28 Feb 74 (Eng)

#### VITAMIN E

EDITORIAL: VITAMIN E IN CLINICAL MEDICINE. Anonymous *Lancet* 1:18, 5 Jan 74 (Eng)

#### VOLUME REGULATION

STUDIES OF GASTROINTESTINAL INTERACTIONS. V. GASTRIC SECRETION AND DUODENAL REFLUX IN MAN AFTER A COMPOSITE MEAL. THE INFLUENCE OF GLUCOSE ON GASTRIC SECRETION, EMPLOYING AND GASTRIC VOLUME. Lagerlof HO, Johansson C, Ekelund K *Scand J Gastroenterol* 8:735-42, 1973 (Eng)

THE EFFECT OF GLUCOSE ON URINARY CATION EXCRETION DURING CHRONIC EXTRACELLULAR VOLUME EXPANSION IN NORMAL MAN. Lennon EJ, Lemann J Jr, Piering WF, Larson LS *J Clin Invest* 53:1424-33, May 74 (Eng)

#### WALDENSTROMS DISEASE

[LETTER: TERMINAL HYPOGLYCEMIA DURING WALDENSTROMS DISEASE] Bontoux D *Nouv Presse Med* 2:3123, Dec 73 (Fre)

#### WERNERS SYNDROME

WERNERS SYNDROME: METABOLIC OBSERVATIONS. Alberti KG, Young JD, Hockaday TD *Proc R Soc Med* 67:36-8, Jan 74 (Eng)

[WERNERS SYNDROME. FAMILIAL UL-CEROUS SCLERODERMIA WITH CATARACTS AND DIABETES] Vandaele R *Arch Belg Dermatol* 29:251-4, Jul-Sep 73 (Fre)

[WERNERS SYNDROME. FAMILIAL UL-CEROUS SCLERODERMIA WITH CATARACT AND DIABETES] Vandaele R *Arch Belg Dermatol Syphiligr* 29:251-4, Jul-Sep 73 (Fre)

#### WESTERN GERMANY

[LETTER: SITUATION OF THE DIABETIC CHILD AND ADOLESCENT IN WESTERN GERMANY] Hopker W *Dtsch Med Wochenschr* 99:371-2, Feb 74 (Ger)

#### WHOLE BLOOD, RABBIT

[STANDARD VALUES IN WHOLE BLOOD AND SERUM OF RABBITS] Hebold G, Bleuel H *Arzneim Forsch* 23:1079-81, Aug 73 (Ger)

#### WOMAN

[MYOCARDIAL INFARCT IN WOMEN] Adam-ska-Dyniewska H, Jeziorska J *Wiad Lek* 27:689-93, Apr 74 (Pol)

#### XANTHINOL NICOTINATE EFFECT

THE EFFECTS OF XANTHINOL NICOTINATE ON THE SMALL BLOOD VESSELS. Davis E, Rozov H *Bibl Anat* 11:334-9, 1973 (Eng)

#### XENON ARC

PORTABLE XENON ARC LIGHT COAGULATOR. O'Malley P *Br J Ophthalmol* 57:935-44, Dec 73 (Eng)

#### X-RAY ANALYSIS

X-RAY ANALYSIS OF CONTROL ENZYMES. Johnson LN *Symp Soc Exp Biol* 27:5-20, 1973 (Eng) [31]

#### YEAST

STRUCTURE OF YEAST PHOSPHOGLYCERATE KINASE. Bryant TN, Watson HC, Wendell PL *Nature* 247:14-7, 4 Jan 74 (Eng)

KINETIC ANALYSIS OF PARTIALLY PURIFIED GLUCOSE-6-PHOSPHATE DEHYDROGENASES FROM RAT MUSCLE, ADIPOSE TISSUE AND LIVER, AND FROM BAKERS YEAST. Geisler RW, McClure AM, Hansen RJ *Biochim Biophys Acta* 327:1-10, 15 Nov 73 (Eng)

YEAST 3-PHOSPHOGLYCERATE KINASE: EVIDENCE FOR A GLUTAMYL RESIDUE IN THE PHOSPHORYL TRANSFER. Brevet A, Roustan C, Desvages G, Pradel LA, Thoai N van *Eur J Biochem* 39:141-7, 1 Nov 73 (Eng)

#### YOUNG MAN

[LETHALLY PROCEEDING HEMOCHROMATOSIS IN A YOUNG MAN] Axelsson U, Lannemyr O *Lakartidningen* 71:1138, 20 Mar 74 (Swe)

#### 90YTTRIUM

MANAGEMENT OF PATIENTS FOR YTTRIUM-90 IMPLANTATION OF THE PITUITARY GLAND. Whitwam JG, Tunbridge WM, Fuller WJ *Br J Anaesth* 45:1121-9, Nov 73 (Eng)

#### ZOO, AMSTERDAM

DIABETES MELLITUS WITH PANCREATIC ATROPHY IN ANTELOPES IN THE AMSTERDAM ZOO. Gaag I van der, Borst GH, Vroege C *Zentralbl Veterinärmed [A]* 20:843-54, Dec 73 (Eng)

# Diabetes Literature—Author Index

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## Abdrakhmanov VR

[EXPERIENCE WITH USING GLUCAGON IN ACUTE MYOCARDIAL INFARCT] Golikov AP, Berestov AA, Abdrakhmanov VR, Bobkov AI *Kardiologiya* 14:37-42, Feb 74 (Rus)

## Abe T

INFLUENCE OF CARDIAC SURGERY USING CARDIO-PULMONARY BYPASS ON METABOLIC REGULATION. Abe T *Jap Circ J* 38:13-21, Jan 74 (Eng)

AMINO ACIDS (blood); BLOOD SUGAR (metabolism); ELECTROLYTES (blood); EXTRACORPOREAL CIRCULATION; FATTY ACIDS, NONESTERIFIED (blood); GLYCERIN (blood); HEART SURGERY; INSULIN (blood); POTASSIUM (blood); TIME FACTORS; UREA.

## Aberg B

AN IN-VITRO METHOD OF INVESTIGATING THE RATES OF TRANSCAPILLARY EXCHANGE AND NET FILTRATION BY SINGLE-INJECTION TECHNIQUE. Aberg B, Lindahl SO *Ups J Med Sci* 78:145-9, Jul 73 (Eng)

ALBUMINS; BLOOD FLOW VELOCITY; BLOOD SUGAR; BLOOD VESSELS (drug effects); CAPILLARY PERMEABILITY; CAPILLARY RESISTANCE; CATS; DILATATION; EDEMA; FRUCTOSE; HINDLIMB (blood supply); METHODS; PAPAVERINE (pharmacodynamics); PERFUSION; REGIONAL BLOOD FLOW; VENOUS PRESSURE.

## Adamska-Dyniewska H

[MYOCARDIAL INFARCT IN WOMEN] Adamska-Dyniewska H, Jeziorska J *Wiad Lek* 27:689-93, Apr 74 (Pol)

AGED; DIABETES MELLITUS (complications); HYPERTENSION (complications); MIDDLE AGE; MYOCARDIAL INFARCT (etiology, occurrence); OCCUPATIONS; SEX FACTORS.

## Adlung J

[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS] Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

ACUTE DISEASE; ADULT; AGED; BLOOD SUGAR (analysis, metabolism); GLUCOSE TOLERANCE TEST; INSULIN (blood, secretion); INSULIN RESISTANCE; MIDDLE AGE; PANCREATITIS (blood, metabolism); TOLBUTAMIDE (diagnostic use).

## Agid R

[EFFECTS OF ANTIDIABETIC BIGUANIDES ON VARIOUS TYPES OF LIPID MOBILIZATION IN THE RABBIT] Marquie G, Agid R *J Physiol (Paris)* 66:345-56, Sep 73 (Fre)

## Aitken JM

PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY. Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

ADULT; CASTRATION; HYSTERECTOMY; MENOPAUSE; MESTRANOL (therapeutic use); MIDDLE AGE; PHOSPHORUS (blood); RADIOIMMUNOASSAY; SEX FACTORS; SOMATOTROPIN (blood).

## Ajmani NK

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnava H *Diabetes* 23:268-75, Apr 74 (Eng)

## Alberti KG

WERNERS SYNDROME: METABOLIC OBSERVATIONS. Alberti KG, Young JD, Hockaday TD *Proc R Soc Med* 67:36-8, Jan 74 (Eng)

ADULT; ARGININE (pharmacodynamics); BLOOD SUGAR; COLLAGEN DISEASES (complications); GLUCOSE TOLERANCE TEST; INSULIN (blood); LACTATES (blood); PYRUVATES (blood); TOLBUTAMIDE (pharmacodynamics); WERNERS SYNDROME (metabolism).

## Alho A

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

## Allan FN

DIABETES BEFORE AND AFTER INSULIN. Allan FN *Med Hist* 16:266-73, Jul 72 (Eng)

DIABETES MELLITUS (therapy, history); DIET THERAPY; HISTORY OF MEDICINE, 20TH CENT.; INSULIN (history); OPIUM (history, therapeutic use).

## Aloia JF

GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS. Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

ADOLESCENCE; ADULT; BLOOD SUGAR (analysis); DIABETES INSIPIDUS (blood, diagnosis); DIABETES MELLITUS (diagnosis); FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON (diagnostic use); GLUCOSE TOLERANCE TEST; HYDROCORTISONE (blood); INSULIN (blood); MIDDLE AGE; SOMATOTROPIN (blood); TOLBUTAMIDE (diagnostic use); VASOPRESSIN (diagnostic use).

## Alsever RN

CURRENT CONCEPTS IN DIAGNOSIS OF INSULINOMA. Alsever RN, Stjernholm MR *Rocky Mt Med J* 71:209-12, Apr 74 (Eng)

BLOOD SUGAR (analysis); FASTING; GLUCAGON (diagnostic use); HYPOGLYCEMIA (diagnosis); INSULIN (blood); ISLET CELL TUMOR (diagnosis); LEUCINE (diagnostic use); PROINSULIN (blood); TOLBUTAMIDE (diagnostic use).

## Alvarez OA

INFLUENCE OF MAXIMAL VASODILATION ON GLUCOSE AND SODIUM BLOOD-TISSUE TRANSPORT IN CANINE HEART. Duran WN, Alvarez OA, Yudilevich DL *Microvasc Res* 6:347-59, Nov 73 (Eng)

## Ambrus M

[JUVENILE DIABETES MELLITUS AND SELECTIVE IGA DEFICIENCY] Cser A, Ambrus M, Bajtai G, Heim T, Varga F *Orv Hetil* 115:803-6, 7 Apr 74 (Hun)

## Aminoff MJ

PROCEEDINGS: L-DOPA AS A TEST OF ANTERIOR PITUITARY FUNCTION. Millar JG,

Kurtz A, Aminoff MJ, Wilcox CS, Nabarro JD *J Endocrinol* 59:XXV-XXVI, Nov 73 (Eng)

## Amiragova MG

[A NEUROPHYSIOLOGIC ANALYSIS OF THE EFFECT OF INSULIN ON THE CENTRAL NERVOUS SYSTEM] Amiragova MG, Pokryshkin VI *Fiziol Zh SSSR* 59:1473-82, Oct 73 (Rus)

AMYGDALOID BODY (drug effects); BENACTYZINE (pharmacodynamics); BRAIN (drug effects); CATS; CEREBRAL CORTEX (drug effects); CHLORPROMAZINE (pharmacodynamics); DRUG COMBINATIONS; FRONTAL LOBE (drug effects); HIPPOCAMPUS (drug effects); HYPOTHALAMUS (drug effects); INSULIN (pharmacodynamics); LIMBIC SYSTEM (drug effects); MAMMILLARY BODIES (drug effects); MESENCEPHALON; RETICULAR FORMATION (drug effects); TEMPORAL LOBE (drug effects); URETHANE (pharmacodynamics); WAKEFULNESS.

## Anan'eva LN

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP *Diabetes* 23:302-5, Apr 74 (Eng)

## Andersen B

SURVIVAL RATES IN SURGERY OF THE AGED. ASSESSMENT OF LONG-TERM PROGNOSIS ACCORDING TO COEXISTING DISEASES. Andersen B, Ostberg J *Gerontol Clin (Basel)* 14:354-60, 1972 (Eng)

AGED; CEREBROVASCULAR DISORDERS (complications); DEMENTIA, PRESENILE (complications); DIABETES MELLITUS (complications); FOLLOW-UP STUDIES; HEART DISEASES (complications); HYPERTENSION (complications); KIDNEY DISEASES (complications); LIFE EXPECTANCY; LIVER CIRRHOSIS (complications); OBESITY (complications); PROGNOSIS; QUESTIONNAIRES; SURGERY, OPERATIVE (mortality); WATER-ELECTROLYTE BALANCE.

## Andersson A

EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borghlund E, Brodin S *Biochem Biophys Res Commun* 56:1045-51, 27 Feb 74 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); GLUCOKINASE (metabolism); GLUCOSE (metabolism, pharmacodynamics); GLYCOGEN (metabolism); HEXOKINASE (metabolism); ISLANDS OF LANGERHANS (drug effects, enzymology, metabolism); KINETICS; MICE; TIME FACTORS; TISSUE CULTURE.

## Andres R

A MODEL OF THE KINETICS OF INSULIN IN MAN. Sherwin RS, Kramer KJ, Tobin JD, Insel PA, Liljenquist JE, Berman M, Andres R *J Clin Invest* 53:1481-92, May 74 (Eng)

## Anserob EM

[ACTIVITY OF SOME ENZYMES IN THE GINGIVA OF DOGS WITH ALLOXAN DIABETES] Inozheeb B, Anserob EM *Stomatologiya (Sofia)* 55:7-11, Jan-Feb 73 (Bul)

## Diabetes Literature—Author Index

### Antal M

#### Antal M

CHANGES IN BLOOD GLUCOSE LEVEL INDUCED BY SODIUM DODECYLBENZENE SULFONATE (SDBS) IN RATS. Antal M *Z Ernahrungswiss* 12:144-51, Jun 73 (Eng)  
BLOOD SUGAR (metabolism); DETERGENTS (pharmacodynamics); RATS; TIME FACTORS.

#### Anthony AE

RESPONSIVENESS OF HUMAN SUBJECTS TO HUMAN GROWTH HORMONE: RELATION TO BONE AGE. Rudman D, Patterson JH, Gibbas DL, Richardson TJ, Awrich AI, Anthony AE, Bixler TJ 2d, Giansanti JS *J Clin Endocrinol Metab* 38:848-55, May 74 (Eng)

#### Ardill J

PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

#### Ardizzone G

[ECHINOCYTIC TRANSFORMATION OF NORMAL ERYTHROCYTES. CONTRIBUTION TO THE STUDY OF THE PATHOGENETIC MECHANISM] D'Aquino S, Ardzizzone G *Minerva Med* 64:3781-9, 17 Oct 73 (Ita)

#### Arevalo L

EFFECTS OF FOOD DEPRIVATION, DISCRIMINATION EXPERIENCE AND PHYSOSTIGMINE ON CHOLINE ACETYLASE AND ACETYLCHOLINE ESTERASE IN THE DORSAL HIPPOCAMPUS AND FRONTAL CORTEX OF RATS. Izquierdo JA, Baratti CM, Torrelío M, Arevalo L, McGaugh JL *Psychopharmacologia* 33:103-10, 23 Oct 73 (Eng)

#### Arnaud CD

PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION. Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

#### Arnesjo B

PANCREATOGRAPHY IN RELAPSING PANCREATITIS. Arnesjo B, Kugelberg C, Tylen U *Acta Chir Scand* 140:131-7, 1974 (Eng)  
ACUTE DISEASE; ADOLESCENCE; ADULT; AGED; ALCOHOLISM (complications); BIOPSY, NEEDLE; CHRONIC DISEASE; CONTRAST MEDIA; DIABETES MELLITUS (complications); METHODS; MIDDLE AGE; PANCREAS (pathology); PANCREATIC CYST (radiography); PANCREATIC DUCTS (radiography); PANCREATIC FISTULA (radiography); PANCREATITIS (diagnosis, etiology, radiography); RECURRENCE.

#### Arnqvist HJ

EFFECTS OF INCREASING GLUCOSE CONCENTRATIONS ON THE GLUCOSE METABOLISM IN ARTERIAL TISSUE AND INTESTINAL SMOOTH MUSCLE. Arnqvist HJ *Acta Physiol Scand* 88:481-90, Aug 73 (Eng)  
BUFFERS; CARBON RADIOISOTOPES; CATTLE; COLON (metabolism); GLUCOSE (metabolism); GLYCOGEN (metabolism); LACTATE DEHYDROGENASE (metabolism); LACTATES (metabolism); MESENTERIC ARTERIES (enzymology, metabolism); MUSCLE, SMOOTH (enzymology, metabolism); RABBITS; SORBITOL; TIME FACTORS.

#### Arthur M

EVALUATION OF CANCER RISK FACTORS IN A RETIREMENT COMMUNITY. Henderson BE, Bogdanoff E, Gerkins VR, Sookhoo J, Arthur M *Cancer Res* 34:1045-8, May 74 (Eng)

#### Arvanitakis C

INTESTINAL MUCOSAL DISACCHARIDASES IN CHRONIC PANCREATITIS. Arvanitakis C, Olsen WA *Am J Dig Dis* 19:417-21, May 74 (Eng)  
ADULT; BIOLOGICAL ASSAY; BIOPSY; CARBOHYDRATE METABOLISM, INBORN ERRORS (enzymology); CHRONIC DISEASE; DIABETES MELLITUS (enzymology); DISACCHARIDASES (metabolism); GLUCOSIDASE (metabolism); INTESTINAL MUCOSA (pathology, enzymology); JEJUNUM (enzymology, pathology); MIDDLE AGE; PANCREATITIS (enzymology); SUCRASE (metabolism).

#### Asensio C

TRANSPORT OF HEXOSES IN STREPTOMYCES VIOLACEORUBER. Sabater B, Asensio C *Eur J Biochem* 39:201-5, 1 Nov 73 (Eng)

#### Assan R

FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS. Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

#### Atahacoba E

[STATE OF THE PERIODONTIUM IN PATIENTS WITH LATENT DIABETES] Atahacoba E, Dobrev DI, Indzhov B *Stomatologia (Sofia)* 55:276-80, Jul-Aug 73 (Bul)  
ORAL MANIFESTATIONS; PERIODONTAL DISEASES (etiology); PREDIABETIC STATE (complications).

#### Atkinson JN

REGULATORY DEFECT OF GLYCOLYSIS IN HUMAN LIPOMA. Atkinson JN, Galton DJ, Gilbert C *Br Med J* 1:101-2, 19 Jan 74 (Eng)  
ADIPOSE TISSUE (enzymology); CITRATES (metabolism); FEEDBACK; GLUCOSE (metabolism); GLUCOSEPHOSPHATES (metabolism); GLYCERIDES (metabolism); GLYCERIN (metabolism); GLYCOLYSIS; LIPIDS (biosynthesis, metabolism); LIPOMA (enzymology, metabolism); NEOPLASMS (enzymology); PALMITIC ACID (metabolism); PHOSPHOFRUCTOKINASE (metabolism).

#### Aubert P

[NEW ASPECTS OF THE TREATMENT OF DIABETIC RETINOPATHY] Regnault F, Barre Y, Rietzler X, Fouquier E, Aubert P, Molinier A, Zera M *Therapeutique* 49:505-7, Sep-Oct 73 (Fre)

#### Avikainen V

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

#### Awaya J

INHIBITION OF FATTY ACID SYNTHESIS BY THE ANTIBIOTIC CERULIN. SPECIFIC INACTIVATION OF BETA-KETOACYL-CARRIER PROTEIN SYNTHETASE. D'Agno G, Rosenfeld IS, Awaya J, Omura S, Vagelos PR *Biochim Biophys Acta* 326:155-6, 29 Nov 73 (Eng)

#### Awdeh ZL

VARIATIONS IN THE LEVEL OF HUMAN SERUM ALBUMIN DURING GLUCOSE TOLERANCE TEST. Awdeh ZL, Islam MR, Samra SA *Biochem Biophys Res Commun* 56:358-62, 23 Jan 74 (Eng)  
ADULT; ANALYSIS OF VARIANCE; BLOOD PROTEIN ELECTROPHORESIS; BLOOD SUGAR (metabolism); CELLULOSE; ELECTROPHORESIS; FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; SERUM ALBUMIN (metabolism); SERUM GLOBULINS (metabolism); TIME FACTORS.

#### Awopetu JJ

EFFECTS OF PREGNANCY ON TRYPA NOSOMA CONGOLENSIS INFECTION IN RATS: SERUM BIOCHEMISTRY AND CELLULAR DISORDERS. Simaren JO, Awopetu JJ *Ann Parasitol Hum Comp* 48:433-46, Mar-Jun 73 (Eng)

#### Awrich AI

RESPONSIVENESS OF HUMAN SUBJECTS TO HUMAN GROWTH HORMONE: RELATION TO BONE AGE. Rudman D, Patterson JH, Gibbas DL, Richardson TJ, Awrich AI, Anthony AE, Bixler TJ 2d, Giansanti JS *J Clin Endocrinol Metab* 38:848-55, May 74 (Eng)

#### Axelsson U

[LETHALLY PROCEEDING HEMOCHROMATOSIS IN A YOUNG MAN] Axelsson U, Lannemyr O *Lakartidningen* 71:1138, 20 Mar 74 (Swe)

ADULT; AUTOPSY; DIABETES MELLITUS; HEART DISEASES; HEMOCHROMATOSIS (pathology); HYPOGONADISM.

#### Azukisawa M

[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE] Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

#### Babichenko ME

[MOTOR FUNCTION OF THE STOMACH IN PATIENTS WITH DUODENAL ULCER AFTER INTRAVENOUS ADMINISTRATION OF INSULIN BEFORE AND AFTER SELECTIVE VAGOTOMY] Babichenko ME *Klin Khir* 12:11-6, Dec 73 (Rus)

DUODENAL ULCER (physiopathology, surgery); ELECTRODIAGNOSIS; INJECTIONS, INTRAVENOUS; INSULIN (pharmacodynamics, administration & dosage); POSTOPERATIVE CARE; PREOPERATIVE CARE; STOMACH (drug effects, innervation, physiopathology); VAGOTOMY.

#### Baettig K

EFFECTS OF INSULIN AND 2-DEOXY-D-GLUCOSE ON PLASMA GLUCOSE LEVEL AND LATERAL HYPOTHALAMIC EATING THRESHOLD IN THE RAT. Berthoud HR, Baettig K *Physiol Behav* 12:547-56, Apr 74 (Eng)

#### Bajtai G

[JUVENILE DIABETES MELLITUS AND SELECTIVE IGA DEFICIENCY] Cser A, Ambrus M, Bajtai G, Heim T, Varga F *Orv Hetil* 115:803-6, 7 Apr 74 (Hun)

#### Baker BI

PROCEEDINGS: FACTORS AFFECTING THE RELEASE AND SYNTHESIS OF TELEOST PITUITARY POLYPEPTIDE HORMONES. Baker BI, Ingleton PM *J Endocrinol* 59:XL, Nov 73 (Eng)

ANGUILLA (metabolism); FISHES (metabolism); PITUITARY GLAND (metabolism); PROLACTIN (metabolism); SALMONIDAE (metabolism); SODIUM (pharmacodynamics); SOMATOTROPIN (metabolism).

#### Baker JC

ELEVATION OF HEPATIC PHENYLALANINE: PYRUVATE AMINOTRANSFERASE BY DIBUTYRYL CYCLIC AMP IN RATS. Fuller RW, Baker JC, Snoddy HD *Biochem Med* 9:301-8, Mar 74 (Eng)

#### Balas D

[ENDOCRINE CELLS OF THE HUMAN DUODENAL MUCOSA. ULTRASTRUCTURAL STUDY] Frexinos J, Balas D, Ribet A *Biol Gastroenterol (Paris)* 6:105-17, Mar 73 (Fre)

**Ballantyne F 3d**

ELECTROLYTES AND THE ELECTROCARDIOGRAM. VanderArk CR, Ballantyne F 3d, Reynolds EW Jr *Cardiovasc Clin* 5:269-94, 1973 (Eng) [52]

**Banerjee RN**

FIBRINOAGGULOPATHY IN MATURITY ONSET DIABETES MELLITUS AND ATHEROSCLEROSIS. Banerjee RN, Sahni AL, Kumar V *Thromb Diath Haemorrh* 30:123-32, 15 Sep 73 (Eng)

ADOLESCENCE; ADULT; AGED; ARTERIOSCLEROSIS (complications); BLOOD COAGULATION DISORDERS (complications); BLOOD COAGULATION TESTS; DIABETES MELLITUS (complications); DIABETES MELLITUS, JUVENILE (complications); DIABETIC ANGIOPATHIES; FIBRIN; FIBRINOGEN (analysis, metabolism); HALF-LIFE; IODINE RADIOISOTOPES; MIDDLE AGE.

**Bank S**

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

**Banks WL Jr**

A SIMPLE METHOD TO PREVENT VITAMIN C INTERFERENCE WITH URINARY GLUCOSE DETERMINATIONS. Brandt R, Guyer KE, Banks WL Jr *Clin Chim Acta* 51:103-4, 28 Feb 74 (Eng)

**Baranchikova NA**

[INFLAMMATORY DISEASES OF THE URINARY ORGANS IN PATIENTS WITH DIABETES MELLITUS] Spesivtseva VG, Mamaeva GG, Baranchikova NA, Ialysheva NI *Sov Med* 36:103-7, Oct 73 (Rus)

**Barattl CM**

EFFECTS OF FOOD DEPRIVATION, DISCRIMINATION EXPERIENCE AND PHYSOSTIGMINE ON CHOLINE ACETYLASE AND ACETYLCHOLINE ESTERASE IN THE DORSAL HIPPOCAMPUS AND FRONTAL CORTEX OF RATS. Izquierdo JA, Barattl CM, Torrelío M, Arevalo L, McGaugh JL *Psychopharmacologia* 33:103-10, 23 Oct 73 (Eng)

**Barker JW**

ANTIARRHYTHMIC AND GENERAL CARDIOVASCULAR ACTIVITY OF THE N,N-DIMETHYLQUATERNARY AMMONIUM DERIVATIVE OF BUENOL. Kaplan HR, Barker JW, Dugan D, Fox J, Giardino E *Arch Int Pharmacodyn Ther* 207:28-43, Jan 74 (Eng)

**Barnabei O**

A STUDY OF THE HORMONAL CONTROL IN VITRO OF Na,K-ATPASE ACTIVATED BY ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATASE (antagonists & inhibitors, metabolism); CALCIUM (metabolism); CELL MEMBRANE (enzymology); EPINEPHRINE (pharmacodynamics); GLUCAGON (pharmacodynamics); HORMONES (pharmacodynamics); HYDROXYLAMINES (pharmacodynamics); INSULIN (pharmacodynamics); KINETICS;

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[VARIOUS RECENT USES OF HORMONES AND THEIR MECHANISM OF ACTION ON THE CELL LEVEL] Barnabei O, Orlandi C *Recent Prog Med (Roma)* 56:47-76, Jan 74 (Ita)

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**Barnett DM**

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**Barre Y**

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**Barreiro Davina A**

[DIABETES IN DENTISTRY] Barreiro Davina A *An Esp Odontostomatol* 33:59-68, Jan-Feb 74 (Spa)

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**Barrett CT**

ADENYLATE CYCLASE ACTIVITY IN IMMATURE RABBIT LUNG. Barrett CT, Sevanian A, Kaplan SA *Pediatr Res* 8:244-7, Apr 74 (Eng)

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**Bauer P**

[A SUGGESTION FOR THE ORDERING OF CLINICAL CHEMICAL LABORATORIES ACCORDING TO THE RELIABILITY OF THEIR ANALYTICAL RESULTS (AUTHORS TRANSL)] Bauer P, Havelec L, Kaiser E, Scheiber V, Wohlgemuth FX *Z Klin Chem Klin Biochem* 11:174-5, Apr 73 (Ger)

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H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)

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#### Becker JE

**THE ROLE OF MESSENGER RNA IN TYROSINE AMINOTRANSFERASE SUPERINDUCTION: EFFECTS OF CAMPTOTHECIN ON HEPATOMA CELLS IN CULTURE.** Bushnell DE, Becker JE, Potter VR *Biochem Biophys Res Commun* 56:815-21, 4 Feb 74 (Eng)

#### Beckert R

**[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)]** Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena)* 46:15-24, 1973 (Ger)

**[THE HISTOCHEMICAL EVIDENCE OF INSULIN IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)]** Dorn A, Lorenz D, Petermann J, Beckert R *Acta Histochem (Jena)* 46:42-8, 1973 (Ger)

#### Beigel'man NB

**[RHÉOOPHTHALMOGRAPHY IN DIABETES MELLITUS]** Beigel'man NB, Zaripov SM *Vestn Oftalmol* 6:53-7, May-Jun 73 (Rus)

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#### Beisel WR

**ALTERED GROWTH HORMONE HOMEOSTASIS DURING ACUTE BACTERIAL SEPSIS IN THE RHESUS MONKEY.** Rayfield EJ, George DT, Beisel WR *J Clin Endocrinol Metab* 38:746-54, May 74 (Eng)

#### Beitzke A

**[DIAGNOSIS OF HYPOGLYCAEMIA IN NEW-BORN BABIES WITH DEXTROSTIX (AUTHORS TRANSL.)]** Rossegger H, Beitzke A *Paediatr Paedol* 9:104-8, 1974 (Ger)

#### Belavady B

**EFFECTS OF LEUCINE AND ISOLEUCINE ON NICOTINAMIDE NUCLEOTIDES OF ERYTHROCYTES.** Belavady B, Rao PU, Khan L *Int J Vitam Nutr Res* 43:442-53, Apr 73 (Eng)

**ADULT; BLOOD SUGAR** (metabolism); **CARBON DIOXIDE** (metabolism); **CARBON RADIOISOTOPES; DRUG SYNERGISM; ERYTHROCYTES** (drug effects, metabolism); **FECES** (analysis); **GLYCOLYSIS; ISOLEUCINE** (pharmacodynamics); **LACTATES** (blood); **LEU-**

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#### Belfiore F

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**INCREASED UROPEPSINOGEN EXCRETION IN DIABETES MELLITUS.** Belfiore F, Lo Vecchio L, Napoli E, Borzi V, Rabuazzo AM *Clin Chem* 20:610-2, May 74 (Eng)

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#### Bemm H

**[INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM]** Verloren HJ, Lohmann D, Bruckner U, Pohl A, Bemm H *Dtsch Z Verdau Stoffwechselkr* 33:89-95, 1973 (Ger)

#### Bender HG

**[FULLY MATURE PLACENTA AT FIFTEEN WEEKS GESTATION (EARLIEST OBSERVATION OF PREMATURE MATURATION OF THE PLACENTA) (AUTHORS TRANSL.)]** Werner C, Bender HG *Geburtshilfe Frauenheilkd* 34:104-8, Feb 74 (Ger)

#### Benditt EP

**MANIFESTATIONS OF DIABETES MELLITUS--THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW.** Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]

#### Bennetch SL

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#### Bennett AH

**ECTOPIC ADRENOCORTICOTROPIN SYNDROME WITH PROSTATIC CARCINOMA.** Newmark SR, Dluhy RG, Bennett AH *Urology* 2:666-8, Dec 73 (Eng)

#### Benzo CA

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#### Berestov AA

**[EXPERIENCE WITH USING GLUCAGON IN ACUTE MYOCARDIAL INFARCT]** Golikov AP, Berestov AA, Abdrakhmanov VR, Bobkov AI *Kardiologia* 14:37-42, Feb 74 (Rus)

#### Bergen WG

**DEVELOPMENTAL ASPECTS OF GLUCOSE AND VFA METABOLISM IN THE GERM-FREE AND CONVENTIONAL RUMINANT.** Ponto KH, Bergen WG *J Anim Sci* 38:893-9, Apr 74 (Eng)

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#### Bergman EN

**RENAL KETONE BODY METABOLISM AND GLUCONEOGENESIS IN NORMAL AND HYPOGLYCEMIC SHEEP.** Kaufman CF, Bergman EN *Am J Physiol* 226:827-32, Apr 74 (Eng)

**RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP.** Bergman EN, Kaufman CF, Wolff JE, Williams HH *Am J Physiol* 226:833-7, Apr 74 (Eng)

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#### Bergman RN

**FLUCTUATIONS OF PLASMA GLUCOSE AND INSULIN IN CONSCIOUS DOGS RECEIVING GLUCOSE INFUSIONS.** Ookhtens M, Marsh DJ, Smith SW, Bergman RN, Yates FE *Am J Physiol* 226:910-9, Apr 74 (Eng)

#### Berman M

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#### Bernard S

**[PURIFICATION AND KINETIC PROPERTIES OF MYCOBACTERIUM PHLEI PYRUVATE KINASE]** Dudouet D, Le Cam-Sagniez M, Bernard S *Biochimie* 55:637-42, 1973 (Fre)

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**Bhalla RC**

**PROTEIN KINASE TRANSLOCATION AS AN EARLY EVENT IN THE HORMONAL CONTROL OF UTERINE CONTRACTION.** Korenman SG, Bhalla RC, Stevens RH *Science* 183:430-2, 1 Feb 74 (Eng)

**Bilbao JM**

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**Bini PP**

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**CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN.** Spellacy WN, Bui WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

**Bishop CF**

**FACTORS AFFECTING GLYCOGEN LEVELS IN HELA CELLS: PREDNISOLONE AND ADENINE NUCLEOTIDES.** Melnykovich G, Bishop CF *J Natl Cancer Inst* 51:353-60, Aug 73 (Eng)

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**EFFECT OF CYCLIC ADENOSINE 3':5'-MONOPHOSPHATE ON RIBOSOMAL PROTEIN PHOSPHORYLATION IN RETICULOCYTES.** Cawthon ML, Bitte LF, Krystosek A, Kabat D *J Biol Chem* 249:275-8, 10 Jan 74 (Eng)

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**THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF.** Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)  
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**EFFECT OF TOLBUTAMIDE ON THE METABOLISM OF TETRAHYMENA.** Blum JJ, Connett RJ, Porter P *J Cell Physiol* 83:275-86, Apr 74 (Eng)

**ACETATES** (metabolism); **CARBON DIOXIDE** (biosynthesis); **CARBON RADIOISOTOPES; GLUCOSE** (metabolism); **GLYCOCIN** (metabolism); **GLYOXYLATES** (metabolism); **HEXOKINASE** (metabolism); **KETOACID-LYASES** (metabolism); **OXIDATION-REDUCTION; PYRUVATES** (metabolism); **SUCCINATE DEHYDROGENASE** (metabolism); **TETRAHYMENA PYRIFORMIS** (drug effects, enzymology, growth & development, metabolism); **TOLBUTAMIDE** (pharmacodynamics).

**Blumenthal S**

**ATHEROSCLEROSIS: A PEDIATRIC PROBLEM** Blumenthal S, Jesse MJ *Cardiovasc Clin* 4:11-6, 1972 (Eng) [19]  
**ADOLESCENCE; ARTERIOSCLEROSIS** (prevention & control); **CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS; FATTY STREAK, ARTERIAL; HYPERTENSION; LIPIDS** (blood); **OBESITY; PROBABILITY.**

**Bo WJ**

**EFFECT OF REPEATED INJECTIONS OF OESTROGEN ON UTERINE GLYCOGEN.** Bo WJ, Krueger WA, Garrison BM *J Endocrinol* 59:381-2, Nov 73 (Eng)  
**CASTRATION; ESTROGENS** (pharmacodynamics, administration & dosage); **GLYCOGEN** (analysis); **ORGAN WEIGHT; RATS; UTERUS** (analysis).

**Bobkov AI**

**[EXPERIENCE WITH USING GLUCAGON IN ACUTE MYOCARDIAL INFARCT]** Golikov AP, Berestov AA, Abdrakhmanov VR, Bobkov AI *Kardiologia* 14:37-42, Feb 74 (Rus)

**Bogdanoff E**

**EVALUATION OF CANCER RISK FACTORS IN A RETIREMENT COMMUNITY.** Henderson BE, Bogdanoff E, Gerkins VR, SooHoo J, Arthur M *Cancer Res* 34:1045-8, May 74 (Eng)

**Bohmer R**

**[DIAGNOSTIC VALIDITY OF THE INTRAVENOUS GALACTOSE TOLERANCE TEST IN LIVER CIRRHOSIS (AUTHORS TRANSL.)]** Bohmer R, Rommel K *Acta Hepatogastroenterol (Stuttg)* 19:344-56, Sep-Oct 72 (Ger)

**AMINOTRANSFERASES** (metabolism); **CHOLESTEROL** (metabolism); **COPPER** (metabolism); **FATTY LIVER** (metabolism); **GALACTOSE** (administration & dosage, metabolism); **HEPATITIS** (metabolism); **INJECTIONS, INTRAVENOUS; IRON** (metabolism); **LEUCINE AMINOPEPTIDASE** (metabolism); **LIVER** (enzymology); **LIVER CIRRHOSIS** (diagnosis, metabolism); **LIVER NEOPLASMS** (metabolism).

**Bojar H**

**[MECHANISM OF ACTION OF GLUCOCORTICOIDES ON THE LYMPHATIC SYSTEM]** Bojar H, Staib W *Hippokrat* 44:318-21, Oct 73 (Ger) [18]

## Bonini PA

GLUCOCORTICOIDS (pharmacodynamics); GLUCOSE (metabolism); LYMPHATIC SYSTEM (drug effects); MICE; RABBITS; RATS; RNA (biosynthesis).

## Bonini PA

[PROCEEDINGS: PHYSIOPATHOLOGICAL SIGNIFICANCE AND CLINICAL USE OF URINARY ENZYMES] Bonini PA, Guarnieri GF, De Nadai-Frank A, Ceriotti G *Quad Sclavo Diagn* 9:419-41, Mar 73 (Ita)

BURNS (enzymology); DIABETIC NEPHROPATHIES (enzymology); GLOMERULONEPHRITIS (enzymology); HYDROLASES (urine); KIDNEY (enzymology); KIDNEY DISEASES (enzymology); KIDNEY NEOPLASMS (enzymology); LYASES (urine); NEPHROTIC SYNDROME (enzymology); OXIDOREDUCTASES (urine); PANCREATITIS (enzymology); PYELONEPHRITIS (enzymology); TRANSFERASES (urine).

## Boniuk M

CRYOTHERAPY IN NEOVASCULAR GLAUCOMA. Boniuk M *Trans Am Acad Ophthalmol Otolaryngol* 78:OP337-43, Mar-Apr 74 (Eng)  
ADULT; BLOOD VESSELS (pathology); CHILD; CRYOGENIC SURGERY; DIABETIC RETINOPATHY (complications); EYE (blood supply); FOLLOW-UP STUDIES; GLAUCOMA (complications, etiology, pathology, surgery); INTRAOCULAR PRESSURE; IRIS (blood supply); METHODS; RETINAL DETACHMENT (complications); RETINAL VEIN; RETINITIS (complications); THROMBOSIS (complications); TRANSILLUMINATION; VISUAL ACUITY.

## Bonnal J

[PRINCIPLES OF PHYSIOPATHOLOGY: HYPOGLYCEMIA] Bonnal J *Rev Med Liege* 29:217-21, 15 Apr 74 (Fre)  
ADRENAL GLAND HYPOFUNCTION (complications); ALCOHOL, ETHYL (adverse effects); CARBOHYDRATE METABOLISM, INBORN ERRORS (complications); GLYCOGENOSIS (complications); HORMONES, ECTOPIC (secretion); HYPOGLYCEMIA (diagnosis, etiology, physiopathology); HYPOPHYSITARISM (complications); INSULIN (adverse effects); ISLANDS OF LANGERHANS (secretion); LIVER DISEASES (complications); NUTRITION DISORDERS (complications); PANCREATIC NEOPLASMS (physiopathology); SALICYLATES (adverse effects); SULFONYLUREA COMPOUNDS (adverse effects).

## Bontoux D

[LETTER: TERMINAL HYPOGLYCEMIA DURING WALDENSTROM'S DISEASE] Bontoux D *Nouv Presse Med* 2:3123, Dec 73 (Fre)  
COMA (etiology); HYPOGLYCEMIA (etiology); MIDDLE AGE; PURPURA, HYPERGLOBULINEMIC (diagnosis, complications).

## Borglund E

EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brolin S *Biochem Biophys Res Commun* 56:1045-51, 27 Feb 74 (Eng)

## Borrie P

A CLINICAL SYNDROME CHARACTERISTIC OF PRIMARY TYPE IV-V HYPERLIPOPROTEINAEMIA. Borrie P, Slack J *Br J Dermatol* 90:245-53, Mar 74 (Eng)  
ABDOMEN; ADULT; CHOLESTEROL (blood); CHYLOMICRONS; CLOFIBRATE (therapeutic use); DIET, REDUCING; ELECTROPHORESIS, PAPER; GLUCOSE TOLERANCE TEST; HYPERLIPIDEMIA (complications); LIPOPROTEINS (blood); MIDDLE AGE; OBESITY

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(complications); OBESITY IN DIABETES (complications); PAIN; SYNDROME; TRIGLYCERIDES (blood); ULTRACENTRIFUGATION; URIC ACID (blood); XANTHOMATOSIS (complications).

## Borst GH

DIABETES MELLITUS WITH PANCREATIC ATROPHY IN ANTELOPES IN THE AMSTERDAM ZOO. Gaag I van der, Borst GH, Vroege C *Zentralbl Veterinaermed [A]* 20:843-54, Dec 73 (Eng)

## Borzi V

INCREASED UROPEPSINOGEN EXCRETION IN DIABETES MELLITUS. Belfiore F, Lo Vecchio L, Napoli E, Borzi V, Rabuazzo AM *Clin Chem* 20:610-2, May 74 (Eng)

## Bottiger LE

[LACTIC ACID ACIDOSIS AND BIGUANIDES--A REVIEW] Bottiger LE *Lakartidningen* 70:3463-4, 3 Oct 73 (Swe) [14]

ACIDOSIS, DIABETIC (chemically induced); ADULT; AGED; BIGUANIDES (therapeutic use, adverse effects); DIABETES MELLITUS (drug therapy); LACTATES (metabolism); MIDDLE AGE.

## Boucher DW

VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCARDITIS VIRUS. Hayashi K, Boucher DW, Notkins AL *Am J Pathol* 75:91-102, Apr 74 (Eng)

## Boulanger M

KK MICE AS A MODEL OF MICROANGIOPATHIC LESIONS IN DIABETES. Duhault J, Lebon F, Boulanger M *Bibl Anat* 11:453-8, 1973 (Eng)

## Bowman JT

THE PENTOSE SHUNT IN WILD-TYPE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT DROSOPHILA MELANOGASTER. Geer BW, Bowman JT, Simmons JR *J Exp Zool* 187:77-86, Jan 74 (Eng)

## Bradley TB

ACQUIRED DISORDERS OF HEMOGLOBIN. Bradley TB, Ranney HM *Prog Hematol* 8:77-98, 1973 (Eng)

ANEMIA, APLASTIC (blood); ANEMIA, HYPOCHROMIC (blood); ANEMIA, SICKLE CELL (blood); BLOOD PROTEIN ELECTROPHORESIS; CHROMATOGRAPHY; DIABETES MELLITUS (blood); FETAL HEMOGLOBIN (biosynthesis); HEMOGLOBINOPATHIES; HEMOGLOBINS, ABNORMAL (analysis); HOMOZYGOTE; HYPERTHYROIDISM (blood); LEAD POISONING (blood); LEUKEMIA, MYELOBLASTIC (blood); LEUKEMIA, MYELOCYTIC (blood); PEPTIDES (biosynthesis); PREGNANCY; THALASSEMIA (blood, familial & genetic).

## Brady AJ

POTASSIUM CONTRACTION AND UTILIZATION OF HIGH-ENERGY PHOSPHATES IN RABBIT HEART. Rich TL, Brady AJ *Am J Physiol* 226:105-13, Jan 74 (Eng)

## Braimbridge MV

LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY. Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)

## Branch RA

PROCEEDINGS: THE INFLUENCE OF GLUCAGON ON REGIONAL BLOOD FLOW IN

THE RHESUS MONKEY. Branch RA, Nies AS, Shand DG *Br J Pharmacol* 49:149P, Sep 73 (Eng)

GLUCAGON (pharmacodynamics); LIVER (metabolism); LIVER CIRCULATION (drug effects); MACACA; METABOLIC CLEARANCE RATE (drug effects); MONKEYS; PROPRANOLOL (metabolism); REGIONAL BLOOD FLOW (drug effects); STIMULATION, CHEMICAL.

## Brandt R

A SIMPLE METHOD TO PREVENT VITAMIN C INTERFERENCE WITH URINARY GLUCOSE DETERMINATIONS. Brandt R, Guyer KE, Banks WL Jr *Clin Chim Acta* 51:103-4, 28 Feb 74 (Eng)

ASCORBIC ACID (urine); CHROMATOGRAPHY, ION EXCHANGE; EVALUATION STUDIES; GLYCOSURIA; METHODS.

## Braunsteiner H

[BASAL AND NORADRENALIN-STIMULATED LIPOLYSIS IN ISOLATED HUMAN FAT CELLS UNDER ISOCALORIC AND HYPOCALORIC DIET (AUTHORS TRANSL.)] Lisch HJ, Ditttrich P, Sailer S, Sandhofer F, Braunsteiner H *Klin Wochenschr* 51:735-7, 15 Jul 73 (Ger)

## Brenner RR

THE OXIDATIVE DESATURATION OF UNSATURATED FATTY ACIDS IN ANIMALS. Brenner RR *Mol Cell Biochem* 3:41-52, 8 Mar 74 (Eng)

ADENOSINE TRIPHOSPHATE; AGE FACTORS; ALLOXAN DIABETES (metabolism); ARACHIDONIC ACID (metabolism); COENZYME A; DIET; DIETARY PROTEINS; FATTY ACID DESATURASES (metabolism); GLUCOSE (metabolism); GLYCOLYSIS; INSULIN (pharmacodynamics); KINETICS; LINOLEIC ACID (biosynthesis); LINOLENIC ACID (biosynthesis); MAGNESIUM; MICROSOMES, LIVER (enzymology); NAD; NADP; OLEIC ACID (biosynthesis); PHOSPHOLIPIDS (metabolism); RATS.

## Brevet A

YEAST 3-PHOSPHOGLYCERATE KINASE: EVIDENCE FOR A GLUTAMYL RESIDUE IN THE PHOSPHORYL TRANSFER. Brevet A, Roustan C, Desvages G, Pradel LA, Thoai N van *Eur J Biochem* 39:141-7, 1 Nov 73 (Eng)

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); BUTYRATES (analysis); CARBOXYLIC ACIDS (metabolism); DIAMINES; DICYCLOHEXYLCARBODIIMIDE; ESTERS; GLUTAMATES (metabolism); GLYCINE (pharmacodynamics); HISTIDINE (metabolism); HYDROXYAMIC ACID (metabolism); HYDROXYLAMINES (metabolism); PHOSPHOGLYCERATE KINASE (antagonists & inhibitors, metabolism); SACCHAROMYCES CEREVISIAE (enzymology).

## Brisse B

[BETADRENOL INFLUENCE ON CARDIOVASCULAR AND METABOLIC BEHAVIOR IN ORAL SURGERY WITH LOCAL ANESTHESIA] Tetsch P, Brisse B, Eismann U *Dtsch Zahnärztl Z* 28:1011-5, Oct 73 (Ger)

## Bristow BF

ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY. Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

**Brixova E**

[EFFECT OF SINGLE ADMINISTRATION OF FUSEMIDE IN PATIENTS WITH CHRONIC LIVER DISEASE] Dzurikova V, Brixova E, Niederland TR *Bratisl Lek Listy* 61:336-43, Mar 74 (Slo)

**Brockman RP**

EFFECTS OF GLUCAGON ON ACTIVITIES OF HEPATIC ENZYMES IN SHEEP. Brockman RP, Manns JG *Cornell Vet* 64:217-24, Apr 74 (Eng)

BLOOD SUGAR (analysis); GLUCAGON (administration & dosage, blood, pharmacodynamics); GLUCOSEPHOSPHATASE (metabolism); HEXOSEPHOSPHATASE (metabolism); INJECTIONS, INTRAVENOUS; INSULIN (blood); LIVER (enzymology); PHOSPHOENOLPYRUVATE CARBOXYKINASE (metabolism); PYRUVATE CARBOXYLASE (metabolism); SHEEP (metabolism).

**Brolin S**

EFFECTS OF GLUCOSE ON THE CONTENT OF ATP AND GLYCOGEN AND THE RATE OF GLUCOSE PHOSPHORYLATION OF ISOLATED PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Borglund E, Brolin S *Biochem Biophys Res Commun* 56:1045-51, 27 Feb 74 (Eng)

**Brons M**

LIPID CONCENTRATION IN CRYOPRECIPITATED PLASMA USED AS PERFUSION FLUID FOR KIDNEY PRESERVATION. Brons M, Jensen EH *Scand J Urol Nephrol* 8:27-30, 1974 (Eng)

BLOOD (drug effects); BLOOD PROTEIN ELECTROPHORESIS; CHOLESTEROL (blood); DOGS; FATTY ACIDS (blood); FREEZING; GLUCOSE (pharmacodynamics); GLYCERIN (blood); HYDROCORTISONE (pharmacodynamics); IMMUNOELECTROPHORESIS; INSULIN (pharmacodynamics); KIDNEY (cytology); LIPIDS (blood); LIPOPROTEINS (blood); MAGNESIUM SULFATE (pharmacodynamics); MICROSCOPY, FLUORESCENCE; PENICILLIN (pharmacodynamics); PERFUSION; PHENOLS (pharmacodynamics); PHOSPHOLIPIDS (blood); PRECIPITATION; TISSUE PRESERVATION; TRIGLYCERIDES (blood).

**Brooks CC**

EFFECT OF MENADIONE AND OTHER FACTORS ON SUGAR-INDUCED HEART LESIONS AND HEMORRHAGIC SYNDROME IN THE PIG. Brooks CC, Nakamura RM, Miyahara AY *J Anim Sci* 37:1344-50, Dec 73 (Eng)

CHLORTETRACYCLINE (therapeutic use); DIETARY CARBOHYDRATES (adverse effects); GLUCOSE (adverse effects); HEART DISEASES (etiology, pathology, prevention & control, veterinary); HEMORRHAGE (etiology, pathology, prevention & control, veterinary); PROTHROMBIN TIME; RATS; SALICYLATES (therapeutic use); SUCROSE (adverse effects); SWINE; SWINE DISEASES (pathology, prevention & control, etiology); SYNDROME; VITAMIN K (therapeutic use).

**Brotherton JE**

KINETIC STUDIES OF THE INHIBITION OF MUSCLE PHOSPHORYLASE PHOSPHATASE. Martensen TM, Brotherton JE, Graves DJ *J Biol Chem* 248:8323-8, 25 Dec 73 (Eng)

KINETIC STUDIES OF THE ACTIVATION OF MUSCLE PHOSPHORYLASE PHOSPHATASE. Martensen TM, Brotherton JE, Graves DJ *J Biol Chem* 248:8329-36, 25 Dec 73 (Eng)

**Brown CF Jr**

EFFECT OF CHLORPROPAMIDE ON OSMOTIC WATER FLOW ACROSS TOAD BLADDER AND THE RESPONSE TO VASOPRESSIN, THEOPHYLLINE AND CYCLIC AMP. Mendoza SA, Brown CF Jr *J Clin Endocrinol Metab* 38:883-9, May 74 (Eng)

**Bruckner U**

[INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM] Verloren HJ, Lohmann D, Bruckner U, Pohl A, Bemm H *Dtsch Z Verdau Stoffwechsel* 33:89-95, 1973 (Ger)

**Brunswick DJ**

SPECIFIC PHOTOAFFINITY LABELING OF THE ADENOSINE 3:5-CYCLIC MONOPHOSPHATE RECEPTOR IN INTACT GHOSTS FROM HUMAN ERYTHROCYTES. Guthrow CE, Rasmussen H, Brunswick DJ, Cooperman BS *Proc Natl Acad Sci USA* 70:3344-6, Dec 73 (Eng)

**Brunzell JD**

THE INTERACTION OF FAMILIAL AND SECONDARY CAUSES OF HYPERTRIGLYCERIDEMIA: ROLE IN PANCREATITIS. Brunzell JD, Schrott HG *Trans Assoc Am Physicians* 86:245-54, 1973 (Eng)

ABDOMEN; ALCOHOLISM (complications); ESTROGENS (adverse effects); HYPERGLYCEMIA (complications); HYPERLIPIDEMIA (etiology); HYPERLIPIDEMIA, ESSENTIAL FAMILIAL (complications); LIPOPROTEIN LIPASE (blood); NEPHROTIC SYNDROME (complications); PAIN; PANCREATITIS (familial & genetic, etiology); TRIGLYCERIDES (blood).

**Bryant TN**

STRUCTURE OF YEAST PHOSPHOGLYCERATE KINASE. Bryant TN, Watson HC, Wendell PL *Nature* 247:14-7, 4 Jan 74 (Eng)

ADENOSINE DIPHOSPHATE (metabolism); BINDING SITES; PHOSPHOGLYCERATE KINASE (metabolism); PROTEIN CONFORMATION; SACCHAROMYCES CEREVISIAE (enzymology); X-RAY DIFFRACTION.

**Buchanan KD**

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

**Bucher HW**

[SIGNIFICANCE OF FREE FATTY ACIDS IN MYOCARDIAL INFARCT] Bucher HW *Dtsch Med Wochenschr* 99:16 PASSIM, 4 Jan 74 (Ger)

BLOOD COAGULATION DISORDERS (complications); BLOOD SUGAR (metabolism); CATECHOLAMINES (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism, blood); LIPIDS (metabolism); MYOCARDIAL INFARCT (etiology, blood); STRESS, PSYCHOLOGICAL (blood).

**Buck AC**

THE DIABETIC BLADDER. Buck AC, McRae CU, Chisholm GD *Proc R Soc Med* 67:81-3, Jan 74 (Eng)

ADULT; AGED; BLADDER (physiopathology); BLADDER DISEASES (complications); DIABETES MELLITUS (complications); MIDDLE AGE; PRESSURE; PROSTATITIS (complications); RADIOISOTOPES; URINARY INCONTINENCE (complications); URINARY INCONTINENCE, STRESS (complications); URINE; YTTRIUM ISOTOPES (therapeutic use).

TINENCE (complications); URINARY INCONTINENCE, STRESS (complications); URINE; YTTRIUM ISOTOPES (therapeutic use).

**Buetow DE**

DECREASED PROTEIN SYNTHESIS BY MICROSOMES ISOLATED FROM SENESCENT RAT LIVER. Buetow DE, Gandhi PS *Exp Gerontol* 8:243-9, Oct 73 (Eng)

AGE FACTORS; AGING; AMINO ACIDS (metabolism); CARBON RADIOISOTOPES; CELL FRACTIONATION; CELL-FREE SYSTEM; CYTOSOL (analysis, metabolism); LEUCINE (metabolism); MICROSOMES, LIVER (analysis, metabolism); PROTEINS (analysis, biosynthesis); RATS; RNA (analysis).

**Buhi WC**

CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN. Spellacy WN, Buhi WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

**Buist NR**

THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS. Castro A, Buist NR *Clin Biochem* 7:81-7, Mar 74 (Eng)

NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW. Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

**Burger HG**

STIMULATION OF GROWTH HORMONE RELEASE FROM SUPERFUSED RAT PITUITARY BY EXTRACTS OF HYPOTHALAMUS AND OF HUMAN LUNG TUMOURS. Beck C, Larkins RG, Martin TJ, Burger HG *J Endocrinol* 59:325-33, Nov 73 (Eng)

SERUM TRIIODOTHYRONINE IN HEALTH AND DISEASE. Patel YC, Burger HG *Clin Endocrinol (Oxf)* 2:339-49, Oct 73 (Eng)

**Burgi H**

[THE ENDOCRINE PANCREAS] Burgi H *Z Krankenhpf* 67:46 PASSIM, Feb 74 (Ger)

DIABETES MELLITUS; ISLANDS OF LANGERHANS; PANCREAS.

**Burke J**

THE FORMATION OF HLA ANTIBODIES IN PREGNANCY. THE ANTIGENICITY OF ABORTED AND TERM FETUSES. Burke J, Johansen K *J Obstet Gynaecol Br Communw* 81:222-8, Mar 74 (Eng)

ABORTION (immunology); ABORTION, HABITUAL (immunology); ANTIBODIES; ANTIBODY FORMATION; ANTILYMPHOCYTE SERUM; BLOOD CELL COUNT; CYTOTOXICITY TESTS, IMMUNOLOGIC; FETUS (immunology); GLUCOSE TOLERANCE TEST; HEMATOCRIT; HISTOCOMPATIBILITY ANTIGENS; PARITY; PREGNANCY; URINE (analysis).

**Burns-Cox CJ**

INTRAVASCULAR HAEMOLYSIS COMPLICATING TREATED NON-KETOTIC HYPERGLYCAEMIC DIABETIC COMA. Blackwell SW, Burns-Cox CJ *Postgrad Med J* 49:656-7, Sep 73 (Eng)

**Burr IM**

DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS. Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)

**Burrill KC**

IMMUNOGENICITY OF SINGLE PEAK BEEF-PORK INSULIN IN DIABETIC SUBJECTS.

## Bushnell DE

Tantillo JJ, Karam JH, Burrill KC, Jones MA, Grodsky GM, Forsham PH *Diabetes* 23:276-81, Apr 74 (Eng)

## Bushnell DE

**THE ROLE OF MESSENGER RNA IN TYROSINE AMINOTRANSFERASE SUPERINDUCTION: EFFECTS OF CAMPTOTHECIN ON HEPATOMA CELLS IN CULTURE.** Bushnell DE, Becker JE, Potter VR *Biochem Biophys Res Commun* 56:815-21, 4 Feb 74 (Eng)

CAMPTOTHECIN (pharmacodynamics); CELLS, CULTURED; DACTINOMYCIN (pharmacodynamics); DEOXYADENOSINE (pharmacodynamics); ENZYME INDUCTION; HEPATOMA (enzymology); HYDROCORTISONE (pharmacodynamics); INSULIN (pharmacodynamics); LIVER (drug effects); NEOPLASMS, EXPERIMENTAL (enzymology); RATS; RNA, MESSENGER (metabolism); TIME FACTORS; TRANSLATION, GENETIC (drug effects); TYROSINE AMINOTRANSFERASE (metabolism, biosynthesis).

## Busing G

**[THE CATABOLISM OF REDUCED OLIGOSACCHARIDES IN MAN AND RAT]** Dierkes L, Busing G, Reinauer H *Z Ernahrungswiss* 12:209-17, Sep 73 (Ger)

## Bustos Fernandez L

**RELATIONSHIP BETWEEN INTRADUODENAL LIPOLYSIS AND GASTRIC EMPTYING.** Bustos Fernandez L, Gonzalez E, Marzi A *Acta Gastroenterol Latinoam* 5:57-60, Apr-Jun 73 (Eng)

AMYLASE (analysis); CHROMATOGRAPHY, THIN LAYER; DIGESTION; GASTROINTESTINAL MOTILITY; LIPID MOBILIZATION; LIPIDS (analysis); PANCREAS (secretion, physiology); RECEPTORS, NEURAL; TRIGLYCERIDES (metabolism).

## Byles PH

**ENFLURANE (ETHRANE) AND ISOFLURANE (FORANE): A COMPARISON WITH NINE GENERAL ANAESTHETICS DURING STRESS OF HYPOXIA (SPONTANEOUS BREATHING).** Dobkin AB, Byles PH, Levy AA *Can Anaesth Soc J* 20:782-97, Nov 73 (Eng)

## Cadenhead A

**A COMPARATIVE STUDY OF PURINE METABOLISM BY HUMAN AND PIG ERYTHROCYTES IN VITRO.** Dean BM, Simmonds HA, Cadenhead A *Biochem Pharmacol* 22:3189-98, 15 Dec 73 (Eng)

## Cahill GF Jr

**PARANEOPlastic SYNDROMES, HYPERGLYCEMIA.** Cahill GF Jr *Ann NY Acad Sci* 230:161-7, 1974 (Eng)

**EXERTION; GLUCONEOGENESIS; GLUCOSE (metabolism); GLUCOSE TOLERANCE TEST; HYPERGLYCEMIA (etiology); INSULIN (blood); MUSCLES (metabolism); NEOPLASTIC ENDOCRINE-LIKE SYNDROMES; NITROGEN (metabolism); PANCREAS (physiopathology).**

## Cailla HL

**ADENOSINE 3,5 CYCLIC MONOPHOSPHATE ASSAY AT 10-15 MOLE LEVEL.** Cailla HL, Racine-Weisbuch MS, Delage MA *Anal Biochem* 56:394-407, Dec 73 (Eng)

**ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (analysis); ADENOSINE MONOPHOSPHATE (analysis); ADENOSINE TRIPHOSPHATE; ANHYDRIDES (analysis); ANTIBODY SPECIFICITY; CARBON RADIOISOTOPES; CRABS; DIALYSIS; ELECTROPHORESIS; ESCHERICHIA COLI (analysis); GEL FILTRATION; HYDROGEN-ION CONCENTRATION; HYPOTHALAMUS (analysis); IODINE RADIOISOTOPES; LIVER (analysis);**

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## Callaway CW

**LETTER: DIABETIC KETOACIDOSIS.** Callaway CW, Palumbo PJ *Lancet* 1:869, 4 May 74 (Eng)

**ACIDOSIS, DIABETIC (metabolism, drug therapy); BICARBONATES (administration & dosage, therapeutic use); HYDROGEN-ION CONCENTRATION; INJECTIONS, INTRAVENOUS; WATER-ELECTROLYTE BALANCE.**

## Calvert GD

**SYNDROME OF HYPERNATREMIA, HYPODIP-SIA AND PARTIAL DIABETES INSIPIDUS: A NEW INTERPRETATION.** Sridhar CB, Calvert GD, Ibbertson HK *J Clin Endocrinol Metab* 38:890-901, May 74 (Eng)

## Camara M

**[HYPOGLYCEMIC EFFECT OF GLIPIZIDE. STUDY IN 20 DIABETIC PATIENTS WITH LOW PANCREATIC INSULIN RESERVE]** Laviada E, Camara M *Prensa Med Mex* 38:297-302, Jul-Aug 73 (Spa)

## Campbell JR

**NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW.** Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

## Campbell TC

**AFLATOXIN INHIBITION OF RAT LIVER MITOCHONDRIA.** Doherty WP, Campbell TC *Chem Biol Interact* 7:63-77, Aug 73 (Eng)

## Canadell Vidal J

**[CLINICAL TRIAL OF GLYPIZIDE]** Canadell Vidal J *Rev Iber Endocrinol* 21:61-73, Jan 74 (Spa)

**ADMINISTRATION, ORAL; ANTIDIABETICS (administration & dosage, therapeutic use); CYCLOHEXANE (administration & dosage, therapeutic use); DIABETES MELLITUS (drug therapy); DIABETIC ANGIOPATHIES (drug therapy); DIABETIC NEUROPATHIES (drug therapy); DIABETIC RETINOPATHY (drug therapy); DRUG EVALUATION; MIDDLE AGE; PYRAZINES (administration & dosage, therapeutic use); SULFONYLUREA COMPOUNDS (administration & dosage, adverse effects, therapeutic use).**

## Canovas JL

**REGULATION OF THE GLUCOLYTIC ENZYMES IN PSEUDOMONAS PUTIDA.** Vicente M, Canovas JL *Arch Mikrobiol* 93:53-64, 4 Oct 73 (Eng)

## Caprioli RM

**POLYPEPTIDE SEQUENCING: USE OF DIPEPTIDYLAMINOPEPTIDASE I AND GAS CHROMATOGRAPHY-MASS SPECTROMETRY.** Caprioli RM, Seifert WE Jr, Sutherland ND *Biochem Biophys Res Commun* 55:67-75, 1 Nov 73 (Eng)

**AMINO ACID SEQUENCE; CATHEPSIN; CATTLE; CHROMATOGRAPHY, GAS; DIPEPTIDES (analysis); EVALUATION STUDIES; INSULIN (analysis); METHODS, PEPTIDES (analysis); SPECTRUM ANALYSIS, MASS; SPLEEN (enzymology); SWINE.**

## Cardenas JM

**BOVINE PYRUVATE KINASES. 3. HYBRIDS OF THE LIVER AND SKELETAL MUSCLE ISOZYMES.** Dyson RD, Cardenas JM *J Biol Chem* 248:8482-8, 25 Dec 73 (Eng)

## Carey RN

**EVALUATION OF THE ADAPTATION OF THE GLUCOSE OXIDASE-PEROXIDASE-3-METHYL-2-BENZOTHAZOLINONE HYDRAZONE-N,N-DIMETHYLANILINE PROCEDURE TO THE TECHNICON SMA 12-60, AND COMPARISON WITH OTHER AUTOMATED METHODS FOR GLUCOSE.** Carey RN, Feldbruegge D, Westgard JO *Clin Chem* 20:595-602, May 74 (Eng)

**ADMINISTRATION, ORAL; ADULT; ANTIDIABETICS (administration & dosage, therapeutic use); AUTOANALYSIS; BLOOD SUGAR (analysis); DIABETES MELLITUS (diagnosis, drug therapy); ENZYME TESTS; FERRICANIDES; GLUCOSE OXIDASE; GLYCOSURIA (diagnosis); HEXOKINASE; HYDRAZONES; INDICATORS AND REAGENTS; METHODS; MIDDLE AGE; PEROXIDASES; PHENANTHROLINES; THIAZOLES; TOLUIDINES.**

## Carlton WW

**ECHRATOXICOSIS IN BEAGLE DOGS. I. CLINICAL AND CLINICOPATHOLOGICAL FEATURES.** Szczech GM, Carlton WW, Tuite J *Vet Pathol* 10:135-54, 1973 (Eng)

## Carr D

**EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS.** Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

## Carroll JK

**POTENTIAL MECHANISMS RESPONSIBLE FOR PRENATAL AND PERINATAL MORTALITY OR LOW VIABILITY OF SWINE.** Stanton HC, Carroll JK *J Anim Sci* 38:1037-44, May 74 (Eng)

## Carry E

**[PYRIDOXINE PARA-CHLORO-PHOXY-ISOBUTYRATE. ANALYSIS OF HYPOLIPIDEMIC EFFECTS]** Mirouze J, Orsetti A, Carry E *Nouv Presse Med* 2:3115-6, Dec 73 (Fre)

## Carvalho AP

**EFFECTS OF RUTHENIUM RED ON CA20 UPTAKE AND ATPASE OF SARCOPLASMIC RETICULUM OF RABBIT SKELETAL MUSCLE.** Vale MG, Carvalho AP *Biochim Biophys Acta* 325:29-37, 19 Oct 73 (Eng)

## Castro A

**THE INSULIN-GLUCOSE RATION IN CHILDREN WITH ISLET CELL TUMORS OF THE PANCREAS.** Castro A, Buist NR *Clin Biochem* 7:81-7, Mar 74 (Eng)

**BLOOD SUGAR; CHILD; DIAZOXIDE (therapeutic use); FASTING; GLUCOSE TOLERANCE TEST; HYPOGLYCEMIA (blood); INFANT; INFANT, NEWBORN; INSULIN (blood); ISLET CELL TUMOR (diagnosis, drug therapy, blood).**

## Caughy JE

**GROWTH HORMONE IN DYSTROPHIA MYOTONICA.** Caughy JE, Koochek MH Jr *Med J* 79:685-7, 27 Feb 74 (Eng)

**ADULT; BLOOD SUGAR (analysis); FASTING; GLUCOSE TOLERANCE TEST; INSULIN (diagnostic use); MIDDLE AGE; MYOTONIA ATROPHICA (blood); RADIOIMMUNOASSAY; SOMATOTROPIN (blood).**

## Cawthon ML

EFFECT OF CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ON RIBOSOMAL PROTEIN PHOSPHORYLATION IN RETICULOCYTES. Cawthon ML, Bitte LF, Krystosek A. *Kabat D J Biol Chem* 249:275-8, 10 Jan 74 (Eng)  
 ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE MONOPHOSPHATE (pharmacodynamics); ANEMIA (blood, metabolism); BLOOD PROTEINS (metabolism); BUTYRATES (pharmacodynamics); CENTRIFUGATION, DENSITY GRADIENT; DIBUTYRYL CYCLIC AMP (pharmacodynamics); ELECTROPHORESIS, POLYACRYLAMIDE GEL; KINETICS; MOLECULAR WEIGHT; PHOSPHATES; PHOSPHOPROTEINS (blood, biosynthesis); PHOSPHORUS RADIOISOTOPES; RABBITS; RETICULOCYTES (cytology, drug effects, metabolism); RIBOSOMES (drug effects, metabolism); STRUCTURE-ACTIVITY RELATIONSHIP; TIME FACTORS.

## Ceriotti G

[PROCEEDINGS: PHYSIOPATHOLOGICAL SIGNIFICANCE AND CLINICAL USE OF URINARY ENZYMES] Bonini PA, Guarnieri GF, De Nadai-Frank A, Ceriotti G *Quad Scavo Diagn* 9:419-41, Mar 73 (Ita)

## Chakrabarti R

LETTER: FIBRINOLYTIC ACTIVITY AND POSTOPERATIVE DEEP-VEIN THROMBOSIS. Chakrabarti R *Lancet* 1:868, 4 May 74 (Eng)

ETHYLESTRENOL (pharmacodynamics, therapeutic use); FIBRINOGEN (analysis); FIBRINOLYSIS (drug effects); MIDDLE AGE; MYOCARDIAL INFARCT (drug therapy); PHENFORMIN (pharmacodynamics, therapeutic use); POSTOPERATIVE COMPLICATIONS (prevention & control); PREOPERATIVE CARE; THROMBOPHLEBITIS (prevention & control).

## Chao J

REGULATION OF MALTODEXTRIN PHOSPHORYLASE SYNTHESIS IN *ESCHERICHIA COLI* BY CYCLIC ADENOSINE 3, 5-MONOPHOSPHATE AND GLUCOSE. Chao J, Weathersbee CJ *J Bacteriol* 117:181-8, Jan 74 (Eng)

ADENOSINE (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); CARBON RADIOISOTOPES; CELL-FREE SYSTEM; DIBUTYRYL CYCLIC AMP (pharmacodynamics); ENZYME INDUCTION; ENZYME REPRESSION; *ESCHERICHIA COLI* (metabolism, enzymology); GLUCOSE (pharmacodynamics); GLUCOSYLTRANSFERASES (biosynthesis, metabolism); GLYCOGEN PHOSPHORYLASE (metabolism, biosynthesis); MALTOSSE (metabolism); PERMEASES (biosynthesis, metabolism); RIFAMPIN (pharmacodynamics); RNA, MESSENGER (biosynthesis); TRANSCRIPTION, GENETIC (drug effects).

## Chaslerie D

[ANGIOGRAPHIC CLASSIFICATION OF DIABETIC RETINOPATHY] Regnault F, Rietzler X, Chaslerie D *Bull Soc Ophthalmol Fr* 73:71-8, Jan 73 (Fre)

## Chatterjee GC

EFFECT OF CERTAIN METABOLIC REGULATORS ON THE ACTIVITY OF LYSOSOMAL ENZYMES IN REGENERATING RAT LIVER. Chatterjee J, Pal DR, Majumder PK, Chatterjee GC *Biochem Pharmacol* 23:752-4, 1 Feb 74 (Eng)

## Chatterjee J

EFFECT OF CERTAIN METABOLIC REGULATORS ON THE ACTIVITY OF LYSOSOMAL ENZYMES IN REGENERATING RAT LIVER. Chatterjee J, Pal DR, Majumder PK, Chatterjee GC *Biochem Pharmacol* 23:752-4, 1 Feb 74 (Eng)

ACID PHOSPHATASE (metabolism); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADRENAL CORTEX HORMONES (pharmacodynamics); ALKALINE PHOSPHATASE (metabolism); GLUCAGON (pharmacodynamics); HEPATECTOMY; LIVER (cytology); LIVER REGENERATION; LYSOSOMES (enzymology); RATS; SURFACE-ACTIVE AGENTS.

## Cheban AK

[LACTIC ACIDOSIS IN DIABETES MELLITUS (REVIEW OF THE LITERATURE)] Limanskaia GF, Cheban AK *Probl Endokrinol (Mosk)* 19:106-9, Jul-Aug 73 (Rus)

## Chesnokov VN

[INHIBITION OF THE ACTIVITY OF KEY GLYCOLYTIC ENZYMES IN RAT LIVERS FOLLOWING PROLONGED INSULIN ADMINISTRATION] Gordienko OE, Chesnokov VN, Mertvetsov NP, Salganik RI *Probl Endokrinol (Mosk)* 19:78-82, Jul-Aug 73 (Rus)

[DEMONSTRATION OF RAT LIVER HEXOKINASE ISOENZYMES BY MEANS OF AGAR GEL ELECTROPHORESIS] Chesnokov VN, Gordienko OE, Mertvetsov NP *Vopr Med Khim* 19:498-501, Sep-Oct 13 (Rus)  
 AGAR; DENSITOMETRY; ELECTROPHORESIS; GELS; HEXOKINASE (metabolism, analysis); INSULIN, PROTAMINE ZINC (pharmacodynamics); ISOENZYMES (analysis); LIVER (enzymology); METHODS; RATS.

## Chestukhin VV

[GROWTH HORMONE AND INSULIN CONCENTRATIONS IN HUMAN PLASMA FLOWING FROM DIFFERENT ORGANS] Fedotov VP, Gebel' GA, Sokolov IA, Chestukhin VV *Probl Endokrinol (Mosk)* 19:6-9, Jul-Aug 73 (Rus)

## Chiang HH

STUDIES ON THE EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE ATHEROSCLEROSIS INDUCED BY CHOLESTEROL FEEDING IN RABBITS. II. EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE FORMATION OF ATHEROSCLEROSIS. Lin JK, Hsu CY, Huang CH, Chiang HH, Tung TC *J Formosan Med Assoc* 72:472-9, Sep 73 (Eng)

## Chick WL

PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOID IN SUBHUMAN PRIMATES. Like AA, Chick WL *Am J Pathol* 75:329-48, May 74 (Eng)

## Chisholm GD

THE DIABETIC BLADDER. Buck AC, McRae CU, Chisholm GD *Proc R Soc Med* 67:81-3, Jan 74 (Eng)

## Chisholm GM 3d

ALTERING DIFFUSION RATES. Gainer JL, Chisholm GM 3d *Adv Exp Med Biol* 37:729-31, 1973 (Eng)

## Chumak GO

[CHARACTERISTICS OF CLINICAL COURSE AND SURGICAL TREATMENT OF THE URINARY TRACT DISEASES IN PATIENTS WITH DIABETES MELLITUS] Serniak PS, Makovskii VG, Chumak GO *Sov Med* 36:94-9, Nov 73 (Rus)

## Clarke BF

LETTER: MYOCARDIAL INFARCTION AND DIABETES. Harrower AD, Clarke BF *Lancet* 1:749-50, 20 Apr 74 (Eng)

## Clarke RJ

EFFECT OF SELECTIVE AND PROXIMAL GASTRIC VAGOTOMY ON SERUM GASTRIN. Jaffe BM, Clendinnen BG, Clarke RJ, Williams JA *Gastroenterology* 66:944-53, May 74 (Eng)

## Clendinnen BG

EFFECT OF SELECTIVE AND PROXIMAL GASTRIC VAGOTOMY ON SERUM GASTRIN. Jaffe BM, Clendinnen BG, Clarke RJ, Williams JA *Gastroenterology* 66:944-53, May 74 (Eng)

## Clinch JD

A STUDY OF SOME ENZYMES AND ISOENZYMES OF CARBOHYDRATE METABOLISM IN HUMAN ENDOMETRIUM DURING THE MENSTRUAL CYCLE. Spellman CM, Fottrell PF, Baynes S, O'Dwyer EM, Clinch JD *Clin Chim Acta* 48:259-68, 30 Oct 73 (Eng)

## Clowes GH Jr

OZONE POISONING IN MAN: CLINICAL MANIFESTATIONS AND DIFFERENTIAL DIAGNOSIS—A REVIEW. Clowes GH Jr, O'Donnell TF Jr, Ryan NT, Blackburn GL *Ann Surg* 179:584-96, May 74 (Eng)

ADULT; AGED; AMINO ACIDS (metabolism); BLOOD PRESSURE; BLOOD SUGAR; BODY TEMPERATURE; CENTRAL VENOUS PRESSURE; DIETARY FATS (metabolism); ENERGY METABOLISM; FASTING; GLUCOSE (metabolism); HYPOTENSION (complications); INSULIN (blood); LACTATES (blood, metabolism); MIDDLE AGE; NITROGEN (metabolism); OXIDATION-REDUCTION; OXYGEN CONSUMPTION; PROTEINS (metabolism); RESPIRATORY SYSTEM (drug effects); SEPTICEMIA (metabolism); SHOCK, TOXIC (complications); STARVATION; SWINE.

## Cocchi D

HYPERGLYCEMIC OR FEEDING RESPONSE TO GLUCOPRIVATION AND HYPOTHALAMIC GLUCORECEPTORS. Muller EE, Pecile A, Cocchi D, Olgiati VR *Am J Physiol* 226:1100-9, May 74 (Eng)

## Cochrane MA

FAMILIAL LIPOATROPHIC DIABETES WITH DOMINANT TRANSMISSION. A NEW SYNDROME. Dunnigan MG, Cochrane MA, Kelly A, Scott JW *Q J Med* 43:33-48, Jan 74 (Eng)

## Coe EL

POSSIBLE REGULATORY INTERACTIONS BETWEEN COMPARTMENTALIZED GLYCOLYTIC SYSTEMS DURING INITIATION OF GLYCOLYSIS IN ASCITES TUMOR CELLS. Coe EL, Greenhouse WV *Biochim Biophys Acta* 329:171-82, 5 Dec 73 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); CARCINOMA, EHRlich TUMOR (enzymology); DIPLOIDY; FRUCTOSEPHOSPHATES (metabolism); GLUCOSEPHOSPHATES (metabolism); GLYCOLYSIS (drug effects); HEXOKINASE (metabolism); HEXOSEDIPHOSPHATES (metabolism); KINETICS; LACTATE DEHYDROGENASE (antagonists & inhibitors, metabolism); LACTATES (metabolism); MICE; MUSCLES (enzymology); ORGANOPHOSPHORUS COMPOUNDS (metabolism); OXALATES (pharmacodynamics); OXIDATIVE PHOSPHORYLATION; OXYGEN CONSUMPTION; PHOSPHOENOLPYRUVATE (metabolism); PHOSPHOFRUCTOKINASE (metabolism); PYRUVATES (metabolism); RABBIT; TIME FACTORS.

## Diabetes Literature—Author Index

### Coe F

THE EFFECT OF POTASSIUM DEPLETION ON THE INITIAL KINETICS OF GLYCOLYSIS IN ASCITES TUMOR CELLS. Greenhouse WV, Coe EL *Biochim Biophys Acta* 329:183-95, 5 Dec 73 (Eng)

### Coe F

DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION. McCarty DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)

### Collen MF

RACIAL DIFFERENCES IN SERUM AND URINE GLUCOSE AFTER GLUCOSE CHALLENGE. Dales LG, Siegel AB, Feldman R, Friedman GD, Seltzer CC, Collen MF *Diabetes* 23:327-32, Apr 74 (Eng)

### Connert RJ

EFFECT OF TOLBUTAMIDE ON THE METABOLISM OF TETRAHYMENA. Blum JJ, Connert RJ, Porter P *J Cell Physiol* 83:275-86, Apr 74 (Eng)

### Constantinescu S

[PHYSIOPATHOLOGICAL AND ANATOMOClinical BASES OF SURGERY OF DUODENAL ULCER (CORTICAL, DIENCEPHALIC, HYPOPHYSEAL, PANCREATIC, (ADRENAL) AND VAGOGASTRIC PATHOGENIC HYPOTHESIS)] Mandache F, Prodescu V, Constantinescu S, Vasiliu M, Ghergut A *Chirurgia (Bucur)* 23:97-110, Feb 74 (Rum)

### Constantopoulos A

THE ACTIVATION OF ADENYLATE CYCLASE. I. A POSTULATED MECHANISM FOR FLUORIDE AND HORMONE ACTIVATION OF ADENYLATE CYCLASE. Najjar VA, Constantopoulos A *Mol Cell Biochem* 2:87-93, 15 Nov 73 (Eng)

### Conway TW

HYPOKALEMIC PERIODIC PARALYSIS. LOW ACTIVITY OF SARCOPLASMIC RETICULUM AND MUSCLE RIBOSOMES DURING AN INDUCED ATTACK. Ionescu V, Schochet SS Jr, Powers JM, Koob K, Conway TW *J Neurol Sci* 21:419-29, Apr 74 (Eng)

### Cook LJ

THE UTILIZATION BY GROWING LAMBS OF A CASEIN-SAFFLOWER OIL SUPPLEMENT TREATED WITH FORMALDEHYDE. Faichney GH, Scott TW, Cook LJ *Aust J Biol Sci* 26:1179-88, Oct 73 (Eng)

### Cooperman BS

SPECIFIC PHOTOAFFINITY LABELING OF THE ADENOSINE 3:5-CYCLOC MONOPHOSPHATE RECEPTOR IN INTACT GHOSTS FROM HUMAN ERYTHROCYTES. Guthrow CE, Rasmussen H, Brunswick DJ, Cooperman BS *Proc Natl Acad Sci USA* 70:3344-6, Dec 73 (Eng)

### Courtois H

[URINARY INFECTION IN DIABETES] Schrub JC, Courtois H, Prodhomme H *Cah Med* 14:923-7, 30 Oct 73 (Fre)

### Coy DH

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMY PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

### Crabtree B

METABOLIC ASPECTS OF ENZYME ACTIVITY REGULATION. Newsholme EA, Crabtree B *Symp Soc Exp Biol* 27:429-60, 1973 (Eng) [44]

### Craig A

PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY. Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

### Cramer R

BIOCHEMICAL STUDIES ON THE EFFECT OF PAPAVERINE ON POLYMORPHONUCLEAR LEUCOCYTES. Patriarca P, Cramer R, Dri P, Soranzo MR, Rossi F *Biochem Pharmacol* 22:3257-66, 15 Dec 73 (Eng)

### Cronan JE Jr

AN EFFICIENT BIOSYNTHETIC METHOD TO PREPARE FATTY ACYL CHAINS HIGHLY ENRICHED WITH <sup>13</sup>C. Cronan JE Jr, Batchelor JG *Chem Phys Lipids* 11:196-202, Oct 73 (Eng)

ACETATES (metabolism); CARBON ISOTOPES; CARBON RADIOISOTOPES; CITRATE SYNTHASE; ESCHERICHIA COLI (metabolism); EVALUATION STUDIES; FATTY ACIDS (biosynthesis); ISOTOPE LABELING; METHODS; MUTATION; NUCLEAR MAGNETIC RESONANCE; TRANSDUCTION, GENETIC.

### Crosby WH

SERUM IRON LEVELS IN OSTENSIBLY NORMAL PEOPLE. Crosby WH, Likhite VV, O'Brien JE, Forman D *JAMA* 227:310-2, 21 Jan 74 (Eng)

ADULT; ALKALINE PHOSPHATASE (blood); ASPARTATE AMINOTRANSFERASE (blood); BILIRUBIN (blood); BLOOD CELL COUNT; BLOOD DONORS; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); CALCIUM (blood); CHOLESTEROL (blood); CIRCADIEN RHYTHM; IRON (blood); LACTATE DEHYDROGENASE (blood); LIVER FUNCTION TESTS; MULTIPHASIC SCREENING; PHOSPHATES (blood); URIC ACID (blood).

### Crowley MF

INSULIN: A COMPARISON OF THE RESULTS OF PLASMA AND SERUM ASSAYS USING A DOUBLE-ANTIBODY TECHNIQUE. Crowley MF, Garbieri KJ *Clin Chim Acta* 51:345-7, 26 Mar 74 (Eng)

ANTIBODIES; DIABETES MELLITUS (blood); EDTA; EVALUATION STUDIES; GEL DIFFUSION TESTS; HEPARIN; INSULIN (blood); METHODS; PLASMA (analysis).

### Csaky TZ

EXTRACELLULAR SPACE IN THE EPITHELIUM OF RATS SMALL INTESTINE. Esposito G, Csaky TZ *Am J Physiol* 226:50-5, Jan 74 (Eng)

### Cser A

[JUVENILE DIABETES MELLITUS AND SELECTIVE IGA DEFICIENCY] Cser A, Ambros M, Bajtai G, Heim T, Varga F *Orv Hetil* 115:803-6, 7 Apr 74 (Hun)

CHILD; DIABETES MELLITUS, JUVENILE (immunology); IGA (analysis); IMMUNOLOGIC DEFICIENCY SYNDROMES (complications).

### Cucinotta D

[EFFECTS OF REPEATED ADMINISTRATION OF INTRAVENOUSLY INJECTED GLUCOSE ON BLOOD INSULIN AND TRIGLYCERIDES IN A GROUP OF EUCRINE OLD PERSONS] Cucinotta D, Ferretti G, Marchini L, Monica C, Passeri M *G Clin Med* 54:579-97, Sep 73 (Ita)

AGED; AGING; ANTIGENS; BLOOD SUGAR (analysis); ENERGY METABOLISM (drug effects); GLUCOSE (administration & dosage, pharmacodynamics); INJECTIONS, INTRAVENOUS; INSULIN (secretion, blood); MIDDLE AGE; PANCREAS (physiology); TRIGLYCERIDES (blood).

### Culbert S

DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS. Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)

BLOOD SUGAR; DIABETES MELLITUS (chemically induced, prevention & control, drug therapy); DIAZOXIDE (therapeutic use); GLUCOSE TOLERANCE TEST; INJECTIONS, INTRAPERITONEAL; INJECTIONS, INTRAVENOUS; INSULIN (blood); RATS; STREPTOZOTOCIN.

### Curnow RT

EFFECTS OF PROSTAGLANDINS ON HEPATIC ADENYLATE CYCLASE ACTIVITY AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE CONTENT. Zenser TV, DeRubertis FR, Curnow RT *Endocrinology* 94:1404-10, May 74 (Eng)

### Curri SB

THE DIAGNOSTIC SIGNIFICANCE OF THE FINGER-TIP BIOPSY IN MICROANGIOPATHIES. PATHOLOGY OF THE ARTERIOVENOUS ANASTOMOSES AND PRETERMINAL CIRCULATION. Curri SB *Bibl Anat* 11:310-6, 1973 (Eng)

ADULT; ARTERIOVENOUS ANASTOMOSIS (pathology); BIOPSY; CELLS, CULTURED; CONNECTIVE TISSUE (pathology); DIABETIC ANGIOPATHIES (pathology); FINGERS (pathology, blood supply); LIVER CIRRHOSIS (pathology); MICROCIRCULATION (pathology); MUSCLES (cytology); OBESITY (pathology); SKIN (blood supply); URIC ACID (blood); VASCULAR DISEASES (diagnosis, pathology).

### Curry DL

FRUCTOSE POTENTIATION OF MANNOSE-INDUCED INSULIN SECRETION. Curry DL *Am J Physiol* 226:1073-6, May 74 (Eng)

CYCLOHEXIMIDE (pharmacodynamics); DRUG SYNERGISM; ENZYME ACTIVATION; FRUCTOSE (pharmacodynamics); INSULIN (biosynthesis, secretion); MANNOSE (pharmacodynamics); PANCREAS (secretion); PERFUSION; RATS; TIME FACTORS.

### Cuttica F

[RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cuttica F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)

### D'Agno G

INHIBITION OF FATTY ACID SYNTHESIS BY THE ANTIBIOTIC CERULENIN. SPECIFIC INACTIVATION OF BETA-KETOACYL-CARRIER PROTEIN SYNTHETASE. D'Agno G, Rosenfeld IS, Awaya J, Omura S, Vagelos PR *Biochim Biophys Acta* 326:155-6, 29 Nov 73 (Eng)

ACYLTRANSFERASES (antagonists & inhibitors); ANTIBIOTICS, ANTIFUNGAL (pharmacodynamics); BACTERIAL PROTEINS; BINDING SITES; CARBON RADIOISOTOPES; CARRIER PROTEINS; CEPHALOSPORIUM; ESCHERICHIA COLI (enzymology); ETHERS, CYCLIC (pharmacodynamics); FATTY ACID SYNTHETASE COMPLEX (antagonists & inhibitors); FATTY ACIDS (antagonists & inhibitors, biosynthesis); FATTY ACIDS, UNSATURATED (pharmacodynamics); MALONATES;

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### Dales LG

RACIAL DIFFERENCES IN SERUM AND URINE GLUCOSE AFTER GLUCOSE CHALLENGE. Dales LG, Siegel AB, Feldman R, Friedman GD, Seltzer CC, Collen MF *Diabetes* 23:327-32, Apr 74 (Eng)

ADOLESCENCE; ADULT; AGE FACTORS; AGED; BLOOD SUGAR; CAUCASIAN RACE; EATING; GLUCOSE TOLERANCE TEST; GLYCOSURIA; MIDDLE AGE; MONGOLOID RACE; NEGROID RACE; SEX FACTORS; STATISTICS; TIME FACTORS.

### Daneche Pajouh M

INATURAL HISTORY OF CORONARY ATHEROSCLEROSIS IN IRANIAN WORKERS] Daneche Pajouh M, Montazami K, Hedayat C, Kamali P, Pirouzmande B *Arch Mal Coeur* 66:1201-10, Sep 73 (Fre)

ADULT; AGE FACTORS; AGED; ANXIETY (complications); ARTERIOSCLEROSIS (blood, familial & genetic, etiology); CORONARY DISEASE (etiology); DIABETES MELLITUS (complications); DRUG ADDICTION (complications); EXERTION; HYPERLIPIDEMIA (complications); HYPERTENSION (complications); LIPIDS (blood); MIDDLE AGE; OBESITY (complications); OCCUPATIONS; OPIUM; SEX FACTORS; SMOKING (complications); STATISTICS.

### Dannheimer IP

GASTRIC MUCORMYCOSIS IN A DIABETIC PATIENT. Dannheimer IP, Fouché W, Nel C S *Afr Med J* 48:838-9, 20 Apr 74 (Eng)

AUTOPSY; DIABETES MELLITUS (complications); LIVER (pathology); MIDDLE AGE; MUCORMYCOSIS (pathology, complications); SPLEEN (pathology); SPLENIC INFARCTION (complications); STOMACH (pathology); STOMACH DISEASES (pathology, complications).

### D'Aquino S

[ECHINOCYTIC TRANSFORMATION OF NORMAL ERYTHROCYTES. CONTRIBUTION TO THE STUDY OF THE PATHOGENETIC MECHANISM] D'Aquino S, Ardizzone G *Minerva Med* 64:3781-9, 17 Oct 73 (Ita)

ANEMIA, HEMOLYTIC (blood); BLOOD SUGAR; CELL MEMBRANE PERMEABILITY; CHOLESTEROL (blood); ERYTHROCYTE AGING; ERYTHROCYTES (metabolism); HYDROGEN-ION CONCENTRATION; LIPIDS (blood); MICROSCOPY, ELECTRON, SCANNING; OSMOLAR CONCENTRATION; POLYVINYLPIRROLIDONE (blood).

### Datta P

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnav H *Diabetes* 23:268-75, Apr 74 (Eng)

### Dausset J

[EDITORIAL: HL-A AND DISEASES] Dausset J *Nouv Presse Med* 3:499-501, 2 Mar 74 (Fre)

ARTHRITIS (immunology); AUTOIMMUNE DISEASES (immunology); CHROMOSOME MAPPING; DIABETES MELLITUS (immunology); GENETICS, HUMAN; GLOMERULONEPHRITIS (immunology); HISTOCOMPATIBILITY ANTIGENS; HODGKINS DISEASE (immunology); JOINT DISEASES (immunology); LEUKEMIA (immunology); LINKAGE (GENETICS); MULTIPLE SCLEROSIS (immunology); MYASTHENIA GRAVIS (immunology); NEOPLASMS (immunology); PSORIASIS (immunology); THYROIDITIS (immunology).

### Davis E

AN EVALUATION OF CLINICAL BIOMICROSCOPY OF THE SMALL BLOOD VESSELS. Davis E *Bibl Anat* 11:233-8, 1973 (Eng)

ANEURYSM (physiopathology); ARTERIOSCLEROSIS (pathology, physiopathology); BLOOD SEDIMENTATION; CELL AGGREGATION; CONJUNCTIVA (blood supply); DIABETIC ANGIOPATHIES (physiopathology); ERYTHROCYTE AGGREGATION, INTRAVASCULAR (physiopathology); ERYTHROCYTES (physiology); HYPERTENSION (physiopathology); LIP (blood supply); MICROCIRCULATION (anatomy & histology, physiopathology); MICROSCOPY; NAILS (blood supply); TONGUE (blood supply).

THE EFFECTS OF XANTHINOL NICOTINATE ON THE SMALL BLOOD VESSELS. Davis E, Rozov H *Bibl Anat* 11:334-9, 1973 (Eng)

AMINO ALCOHOLS (therapeutic use); ARTERIOSCLEROSIS (drug therapy); BLOOD VISCOSITY (drug effects); CONJUNCTIVA (blood supply); DIABETIC ANGIOPATHIES (drug therapy); ERYTHROCYTE AGGREGATION, INTRAVASCULAR (drug therapy); FIBRINOGEN (physiology); HYPERTENSION (complications); ISCHEMIA (drug therapy); MICROCIRCULATION (drug effects); MIDDLE AGE; NICOTINIC ACID (pharmacodynamics, therapeutic use); THEOPHYLLINE (pharmacodynamics, therapeutic use); VASCULAR DISEASES (drug therapy); VASODILATOR AGENTS (pharmacodynamics, therapeutic use).

THE SMALL BLOOD VESSELS IN CHEMICAL DIABETES. Davis E, Herman JB *Bibl Anat* 11:468-72, 1973 (Eng)

ADULT; AGED; ARTERIOSCLEROSIS (pathology); CAPILLARY RESISTANCE; CONJUNCTIVA (blood supply); DIABETIC ANGIOPATHIES (pathology); GLUCOSE TOLERANCE TEST; MICROCIRCULATION (pathology); MIDDLE AGE.

### Davis FB

HYPERTHYROIDISM IN PATIENTS OVER THE AGE OF 60 YEARS. CLINICAL FEATURES IN 85 PATIENTS. Davis PJ, Davis FB *Medicine (Baltimore)* 53:161-81, May 74 (Eng)

### Davis PJ

HYPERTHYROIDISM IN PATIENTS OVER THE AGE OF 60 YEARS. CLINICAL FEATURES IN 85 PATIENTS. Davis PJ, Davis FB *Medicine (Baltimore)* 53:161-81, May 74 (Eng)

AGE FACTORS; AGED; ARTERIOSCLEROSIS (complications); BLOOD SEDIMENTATION; BLOOD SUGAR; BODY WEIGHT; CALCIUM (blood); CHOLESTEROL (blood); DIABETES MELLITUS (complications); ELECTROCARDIOGRAPHY; EYE MANIFESTATIONS; FOLLOW-UP STUDIES; GUANETHIDINE (therapeutic use); HEART RATE; HEMATOCRIT; HYPERTHYROIDISM (drug therapy); IODINE RADIOISOTOPES (therapeutic use); LEUKOCYTE COUNT; LIVER FUNCTION TESTS; MIDDLE AGE; NEUROLOGIC MANIFESTATIONS; PROTEIN-BOUND IODINE TEST; RADIOISOTOPE SCANNING; RESERPINE (therapeutic use); SKIN MANIFESTATIONS; THYROID GLAND FUNCTION TESTS.

### Dawber TR

CURRENT STATUS OF CORONARY PREVENTION. LESSONS FROM THE FRAMINGHAM STUDY. Dawber TR, Kannel WB *Prev Med* 1:499-512, Dec 72 (Eng)

ADULT; ARTERIOSCLEROSIS (prevention & control); BLOOD PRESSURE; BLOOD SUGAR; CHOLESTEROL (blood); CORONARY DISEASE (diagnosis, mortality, prevention & control); DIABETES MELLITUS (complications, physiopathology); ELECTROCARDIOGRAPHY; EXERTION; HYPERTENSION (complications,

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### Dawidowicz A

[IN MEMORIAM: PROF. JOZEF WACAW GROT (3-5-1894-9-29-1973)] (Grott JW), Dawidowicz A *Pol Arch Med Wewn* 51:333-6, Mar 74 (Pol)

### Day AJ

LIPID COMPOSITION AND METABOLIC ACTIVITY OF SUBCELLULAR FRACTIONS ISOLATED FROM RABBIT ATHEROSCLEROTIC LESIONS. Proudlock JW, Day AJ, Naughton JM *Exp Mol Pathol* 19:389-401, Dec 73 (Eng)

### Dean BM

A COMPARATIVE STUDY OF PURINE METABOLISM BY HUMAN AND PIG ERYTHROCYTES IN VITRO. Dean BM, Simmonds HA, Cadenhead A *Biochem Pharmacol* 22:3189-98, 15 Dec 73 (Eng)

ADENINE (blood); ADULT; ALLOPURINOL (blood); BLOOD SUGAR (analysis); CARBON RADIOISOTOPES; ERYTHROCYTES (metabolism); GUANINE (blood); HEMOLYSIS; HYPOXANTHINES (blood); INOSINE (blood); PURINES (blood); PYROPHOSPHATES (blood); RIBOSE (blood); SPECIES SPECIFICITY; SWINE; TIME FACTORS.

### Deby G

[TUMORAL HYPOGLYCEMIA AND ITS TREATMENT] Deby G *Rev Med Liege* 29:233-5, 15 Apr 74 (Fre)

DIET THERAPY; GLUCAGON (therapeutic use); GLUCOSE (therapeutic use); HORMONES, ECOTOPIC (secretion); HYPOGLYCEMIA (blood, diagnosis, drug therapy, therapy, etiology); INSULIN (blood, secretion); ISLANDS OF LANGERHANS; NEOPLASMS (diagnosis, surgery, complications); OXYGEN (therapeutic use); PANCREATIC NEOPLASMS (complications, surgery).

### Delange MA

ADENOSINE 3,5 CYCLIC MONOPHOSPHATE ASSAY AT 10-15 MOLE LEVEL. Cailla HL, Racine-Weisbuch MS, Delange MA *Anal Biochem* 56:394-407, Dec 73 (Eng)

### DeLamater PV

DEVELOPMENT AND APPLICATION OF A RADIOIMMUNOASSAY FOR PLASMA GLUCAGON. Sperling MA, DeLamater PV, Kazencel-Son M, Fiser RH, Fisher DA *Clin Chem* 20:566-70, May 74 (Eng)

### De Lean A

PURIFICATION OF ADENOHYPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED ADENYLATE CYCLASE. Poirier G, De Lean A, Pelletier G, Lemay A, Labrie F *J Biol Chem* 249:316-22, 10 Jan 74 (Eng)

### Deleval VP

[ISOLATION, PURIFICATION AND SOME PROPERTIES OF PHOSPHOFRUCTOKINASE FROM MUSCLES OF PEKING DUCKS] Dzvonekovich ND, Deleval VP, Gulii MF, Dvornikova PD *Ukr Biokhim Zh* 45:379-86, Jul-Aug 73 (Ukr)

### Del Nevo G

[PROCEEDINGS: USE OF THE ENZYMATIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS] Marigo S, Del Nevo G, Bini PP *Quad Selvo Diagn* 9:95-102, Mar 73 (Ita)

## De Nadai-Frank A

### De Nadai-Frank A

[PROCEEDINGS: PHYSIOPATHOLOGICAL SIGNIFICANCE AND CLINICAL USE OF URINARY ENZYMES] Bonini PA, Guarnieri GF, De Nadai-Frank A, Ceriotti G *Quad Scavo Diagn* 9:419-41, Mar 73 (Ita)

### Dennis DT

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. PURIFICATION AND CHARACTERIZATION. Duggleby RG, Dennis DT *J Biol Chem* 249:162-6, 10 Jan 74 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. ASSAY AND STEADY STATE KINETICS. Duggleby RG, Dennis DT *J Biol Chem* 249:167-74, 10 Jan 74 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. EFFECT OF NICOTINAMIDE ADENINE DINUCLEOTIDE AND RELATED COMPOUNDS ON THE ENZYME-CATALYZED ARSENOLYSIS OF 1,3-DIPHOSPHOGLYCERIC ACID. Duggleby RG, Dennis DT *J Biol Chem* 249:175-81, 10 Jan 74 (Eng)

### Deppe WM

STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS. Vinik AI, Deppe WM *S Afr Med J* 47:518-24, 31 Mar 74 (Eng)

### DeRubertis FR

EFFECTS OF PROSTAGLANDINS ON HEPATIC ADENYLATE CYCLASE ACTIVITY AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE CONTENT. Zenser TV, DeRubertis FR, Curnow RT *Endocrinology* 94:1404-10, May 74 (Eng)

### Deschenes M

PHOSPHORYLATION OF ADENOHYPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED PROTEIN KINASE. Lemay A, Deschenes M, Lemaire S, Poirier G, Poulin L, Labrie F *J Biol Chem* 249:323-8, 10 Jan 74 (Eng)

### Desvages G

YEAST 3-PHOSPHOGLYCERATE KINASE: EVIDENCE FOR A GLUTAMYL RESIDUE IN THE PHOSPHORYL TRANSFER. Brevet A, Roustan C, Desvages G, Pradel LA, T'noai N van *Eur J Biochem* 39:141-7, 1 Nov 73 (Eng)

### Dettloff JL

IMPAIRED LEUKOTACTIC RESPONSIVENESS IN PATIENTS WITH JUVENILE DIABETES MELLITUS. Hill HR, Sauls HS, Dettloff JL, Quie PG *Clin Immunol Immunopathol* 2:395-403, Apr 74 (Eng)

### DeVane GW

ACUTE SUPPRESSION OF INSULIN AND GLUCOSE LEVELS BY SYNTHETIC SOMATOSTATIN IN NORMAL HUMAN SUBJECTS. DeVane GW, Siler TM, Yen SS *J Clin Endocrinol Metab* 38:913-5, May 74 (Eng)

ADULT: BLOOD SUGAR (metabolism); INJECTIONS, INTRAVENOUS; INSULIN (blood); PEPTIDES (administration & dosage, pharmacodynamics); TIME FACTORS.

### Diament J

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## Diabetes Literature—Author Index

TY IN PATIENTS WITH NEPHROTIC SYNDROME CAUSED BY INTRINSIC RENAL DISEASE] Faria CV de, Diamant J, Giannini SD *Rev Hosp Clin Fac Med Sao Paulo* 28:305-9, Nov-Dec 73 (Por)

### Di Bella FP

PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION. Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

ADENYL CYCLASE (metabolism); BINDING, COMPETITIVE; CALCITONIN (pharmacodynamics); CATTLE: CELL MEMBRANE (metabolism); ENZYME ACTIVATION; EPINEPHRINE (pharmacodynamics); GLUCAGON (pharmacodynamics); INSULIN (pharmacodynamics); IODINE RADIOISOTOPES; KIDNEY CORTEX (cytology, enzymology, metabolism); KINETICS; PARATHYROID HORMONE (metabolism); RECEPTORS, HORMONE (drug effects).

### Diegelman MA

MULTIPLE IMMOBILIZED ENZYME REACTORS: DETERMINATION OF PYRUVATE AND PHOSPHOENOLPYRUVATE CONCENTRATIONS USING IMMOBILIZED LACTATE DEHYDROGENASE AND PYRUVATE KINASE. Newirth TL, Diegelman MA, Pye EK, Kallen RG *Biotechnol Bioeng* 15:1089-100, Nov 73 (Eng)

### Dierkes L

[THE CATABOLISM OF REDUCED OLIGOSACCHARIDES IN MAN AND RAT] Dierkes L, Busing G, Reinauer H *Z Ernahrungswiss* 12:209-17, Sep 73 (Ger)

CARBON DIOXIDE (analysis); CARBON RADIOISOTOPES; DIETARY CARBOHYDRATES (metabolism); GLUCOSIDASE (analysis, blood); GLYCOGEN (metabolism); INJECTIONS, INTRAPERITONEAL; INJECTIONS, INTRAVENOUS; INTESTINE, SMALL (analysis); LIVER (analysis); MUSCLES (analysis); MYOCARDIUM (analysis); OLIGOSACCHARIDES (metabolism); PANCREAS (analysis); RATS.

### Dimopoulos GT

IN VITRO INHIBITION OF LIPOLYSIS BY PYRIMETHAMINE IN BLOOD FROM DUCKS PARASITIZED WITH PLASMODIUM LOPHURAE. Hart LT, Dimopoulos GT, Mandhare KS *Avian Dis* 17:752-7, Oct-Dec 73 (Eng)

### Dittrich P

[BASAL AND NORADRENALIN-STIMULATED LIPOLYSIS IN ISOLATED HUMAN FAT CELLS UNDER ISOCALORIC AND HYPOLIC CALORIC DIET (AUTHORS TRANSL.)] Lisch HJ, Dittrich P, Sailer S, Sandhofer F, Braunsteiner H *Klin Wochenschr* 51:735-7, 15 Jul 73 (Ger)

### Dluhy RG

ECTOPIC ADRENOCORTICOTROPIN SYNDROME WITH PROSTATIC CARCINOMA. Newmark SR, Dluhy RG, Bennett AH *Urology* 2:666-8, Dec 73 (Eng)

### Dobias G

[PROOF OF INCREASED HYPOTHALAMIC ACTIVITY] Mosonyi L, Gonczy J, Palossy B, Dobias G *Wien Z Inn Med* 54:114-9, 1973 (Ger)

### Dobkin AB

THE METABOLIC EFFECTS OF NEUROLEPTANESTHESIA. Dobkin AB, Pieloch PA *Int Anesthesiol Clin* 11:155-69, Fall 73 (Eng) [31]

ALANINE AMINOTRANSFERASE (blood); ASPARTATE AMINOTRANSFERASE (blood); BLOOD; BLOOD SUGAR (analysis); BLOOD UREA NITROGEN; CARBON DIOXIDE (blood); CATECHOLAMINES (blood); DOGS; DROPERIDOL (administration & dosage); FENTANYL (administration & dosage); HYDROCOR-TISONE (blood); HYDROGEN-ION CONCENTRATION; METABOLISM (drug effects); NEU-ROLEPTOANALGESIA (adverse effects); NITROUS OXIDE (administration & dosage); POTASSIUM (blood); PREMEDICATION; RESPIRATION, ARTIFICIAL; STRESS, PSYCHOLOGICAL.

ENFLURANE (ETHRANE) AND ISOFLURANE (FORANE): A COMPARISON WITH NINE GENERAL ANAESTHETICS DURING STRESS OF HYPOXIA (SPONTANEOUS BREATHING). Dobkin AB, Byles PH, Levy AA *Can Anaesth Soc J* 20:782-97, Nov 73 (Eng)

ANESTHESIA, GENERAL; ANESTHETICS; ANOXIA (physiology); BIOGENIC AMINES (blood); BLOOD; BLOOD GAS ANALYSIS; BLOOD PRESSURE (drug effects); BLOOD SUGAR (analysis); DOGS; ELECTROCARDIOGRAPHY; ETHERS; HEART RATE (drug effects); HEMATOCRIT; HYDROCARBONS, FLUORINATED; HYDROCARBONS, HALOGENATED; HYDROGEN-ION CONCENTRATION; METHYL ETHERS; NITROUS OXIDE (pharmacodynamics); OXYGEN (blood, pharmacodynamics); POTASSIUM (blood); PYRUVATES (blood); RESPIRATION (drug effects).

### Dobrev DI

[STATE OF THE PERIODONTIUM IN PATIENTS WITH LATENT DIABETES] Atahacoba E, Dobrev DI, Indzhov B *Stomatologia (Sofia)* 55:276-80, Jul-Aug 73 (Bul)

### Dodsworth JM

SURGICAL THERAPY OF CHRONIC PEPTIC ULCER. PREOPERATIVE ASSESSMENT, CHOICE OF OPERATIONS, AND CONSEQUENCES. Dodsworth JM, Fischer JE *Surg Clin North Am* 54:529-47, Jun 74 (Eng) [124]

ANEMIA, HYPOCHROMIC (etiology); BODY WEIGHT; BONE DISEASES (etiology); CHRONIC DISEASE; DIARRHEA (etiology); DUMPING SYNDROME (etiology); DUODENAL OBSTRUCTION (surgery); DUODENAL ULCER (complications, mortality, surgery); FOLLOW-UP STUDIES; GASTRECTOMY; GASTRIC JUICE (secretion); GASTRIN (blood, secretion); HISTAMINE (diagnostic use); INSULIN (diagnostic use); METHODS; PENTAGASTRIN (diagnostic use); PEPTIC ULCER (surgery); PEPTIC ULCER HEMORRHAGE (surgery); PEPTIC ULCER PERFORATION (surgery); POSTOPERATIVE COMPLICATIONS; RECURRENCE; STOMACH (secretion); STOMACH ULCER (surgery); VOMITING (etiology).

### Doherty WP

AFLATOXIN INHIBITION OF RAT LIVER MITOCHONDRIA. Doherty WP, Campbell TC *Chem Biol Interact* 7:63-77, Aug 73 (Eng)

ADENOSINE DIPHOSPHATE (metabolism); AFLATOXIN (analysis, pharmacodynamics); COLLOIDS (analysis); CYTOCHROME C (antagonists & inhibitors); DIETARY PROTEINS; DINITROPHENOLS (pharmacodynamics); ELECTRON TRANSPORT (drug effects); GLUTAMATES (metabolism); MACROMOLECULAR SYSTEMS (analysis); MITOCHONDRIA, LIVER (analysis, metabolism, drug effects); OSMOLAR CONCENTRATION; OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN CONSUMPTION (drug effects); PROTEIN DEFICIENCY (metabolism); PROTEINS (metabolism); RATS; SUCCINATES (metabolism); THIAMINE DEFICIENCY (metabolism); TIME FACTORS.

**Dokuchaeva EA**

[DISTRIBUTION OF OBLITERATING ATHEROSCLEROSIS OF THE ARTERIES OF THE LOWER EXTREMITIES AND ITS RELATIONSHIP TO ISCHEMIC HEART DISEASE] Dokuchaeva EA *Kardiologiya* 14:131-6, Feb 74 (Rus)

ADULT; AGED; ARTERIOSCLEROSIS (occurrence); ARTERIOSCLEROSIS OBLITERANS (complications, diagnosis, occurrence); CORONARY DISEASE (complications, occurrence); DIABETIC ANGIOPATHIES (complications); HYPERCHOLESTEREMIA (complications); HYPERLIPIDEMIA (complications); HYPERTENSION (complications); INTERMITTENT CLAUDICATION (etiology); LEG (blood supply); MIDDLE AGE; PROBABILITY; PROGNOSIS; TRIGLYCERIDES (blood).

**Dombrosky JT**

ACTIONS OF MORPHINE ON PROSTATE GLAND FRUCTOSE METABOLISM. Dombrosky JT, Thomas JA, Mawhinney MG, Lloyd JW *Life Sci* 13:795-804, 1 Oct 73 (Eng)

BIOLOGICAL TRANSPORT; CARBON RADIOISOTOPES; CHROMATOGRAPHY, THIN LAYER; DOSE-RESPONSE RELATIONSHIP, DRUG; FRUCTOSE (biosynthesis, metabolism); GLUCOSE (metabolism); INJECTIONS, SUBCUTANEOUS; MICE; MORPHINE (administration & dosage, pharmacodynamics); PROSTATE (drug effects, metabolism); SORBITOL (biosynthesis, metabolism).

**Dorn A**

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)] Lorenz D, Petermann J, Dorn A, Reding R, Becker R *Acta Histochem (Jena)* 46:15-24, 1973 (Ger)

[THE HISTOCHEMICAL EVIDENCE OF INSULIN IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)] Dorn A, Lorenz D, Petermann J, Becker R *Acta Histochem (Jena)* 46:42-8, 1973 (Ger)

HISTOCYTOCHEMISTRY; INSULIN (metabolism); ISLANDS OF LANGERHANS (metabolism); RATS; STAINS AND STAINING; TIME FACTORS; VAGOTOMY; VAGUS NERVE (physiology).

**Dotevall G**

THE USE OF GLUCAGON DURING UPPER GASTROINTESTINAL ENDOSCOPY. Hradsky M, Stockbrugger R, Dotevall G, Ostberg H *Gastrointest Endosc* 20:162, May 74 (Eng)

**Douglas WW**

PROCEEDINGS: MAST CELL SECRETION (HISTAMINE RELEASE) INDUCED BY 48-80: CALCIUM-DEPENDENT EXOCYTOSIS INHIBITED STRONGLY BY CYTOCHALASIN ONLY WHEN GLYCOLYSIS IS RATE-LIMITING. Douglas WW, Ueda Y *J Physiol (Lond)* 234:97P-98P, Oct 73 (Eng)

CALCIUM (metabolism); CELLS (secretion); COMPOUND 48-80 (pharmacodynamics); CYTOCHALASIN (pharmacodynamics); DINITROPHENOLS (pharmacodynamics); EXOCYTOSIS (drug effects); GLYCOLYSIS; HISTAMINE (secretion); HISTAMINE LIBERATION (drug effects); INDOLES (pharmacodynamics); MAST CELLS (metabolism, physiology, drug effects); OXIDATIVE PHOSPHORYLATION; RATS; STIMULATION, CHEMICAL.

**Dousa TP**

PARATHYROID HORMONE RECEPTORS OF RENAL CORTEX: SPECIFIC BINDING OF BIOLOGICALLY ACTIVE, 125I-LABELED HORMONE AND RELATIONSHIP TO ADENYLATE CYCLASE ACTIVATION. Di

Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

**Draper MW**

LIPOLYTIC ACTIVITY OF MET-ARG-HIS-PHE-ARG-TRP-GLY, A SYNTHETIC ANALOG OF THE ACTH (4-10) CORE SEQUENCE. Draper MW, Merrifield RB, Ritzack MA *J Med Chem* 16:1326-30, Dec 73 (Eng)

ADIPOSE TISSUE (drug effects, metabolism); AMINO ACID SEQUENCE; AMINO ACIDS (analysis); CORTICOTROPIN; DOSE-RESPONSE RELATIONSHIP, DRUG; ELECTROPHORESIS, PAPER; FATTY ACIDS, NONESTERIFIED (metabolism); LIPIDS (metabolism); OLIGOPEPTIDES (analysis, pharmacodynamics, chem synthesis); RATS; STRUCTURE-ACTIVITY RELATIONSHIP.

**Dreus RC**

CORTICOSTEROID MANAGEMENT OF HEMORRHAGIC GLAUCOMA. Dreus RC *Trans Am Acad Ophthalmol Otolaryngol* 78:OP334-6, Mar-Apr 74 (Eng)

ADULT; AGED; CEREBROVASCULAR DISORDERS (complications); DIABETIC RETINOPATHY (complications); EYE INJURIES (complications); EYE NEOPLASMS (complications); GLAUCOMA (etiology, drug therapy); GLUCOCORTICIDS (therapeutic use); HEMORRHAGE (drug therapy, etiology); INTRAOCULAR PRESSURE; IRIS (blood supply); MELANOMA (complications); MIDDLE AGE; PREDNISONE (therapeutic use); RETINAL DETACHMENT (complications); RETINAL VEIN; RETINITIS (complications); THROMBOSIS (complications).

**Dri P**

BIOCHEMICAL STUDIES ON THE EFFECT OF PAPAVERINE ON POLYMORPHONUCLEAR LEUCOCYTES. Patriarca P, Cramer R, Dri P, Soranzo MR, Rossi F *Biochem Pharmacol* 22:3257-66, 15 Dec 73 (Eng)

**Drillet F**

INFLUENCE OF FLOW RATE ON THE KINETICS OF THE INTESTINAL ABSORPTION OF GLUCOSE AND LYSINE IN CHILDREN. Rey F, Drillet F, Schmitz J, Rey J *Gastroenterology* 66:79-85, Jan 74 (Eng)

**Dryden LP**

GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS. Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL *J Anim Sci* 37:1419-27, Dec 73 (Eng)

**Dubois R**

LETTER: PATHOGENESIS OF OBESITY IN PRADER-WILLI SYNDROME. Mace J, Gotlin RW, Dubois R *J Pediatr* 84:927-8, Jun 74 (Eng)

**Dubovsky EV**

STIMULATION OF TSH RELEASE AND GLUCOSE OXIDATION IN PITUITARIES FROM THYROIDECTOMIZED RATS BY THYROTROPIN-RELEASING FACTOR (TRF). Dubovsky EV, Beschi RJ, Pittman JA, Lindsay RH *Ala J Med Sci* 10:270-7, Jul 73 (Eng)

CARBON RADIOISOTOPES; GLUCOSE (metabolism); OXIDATION-REDUCTION; PITUITARY GLAND (drug effects); RATS; STIMULATION, CHEMICAL; THYROIDECTOMY; THYROTROPIN (secretion); THYROTROPIN-RELEASING HORMONE (pharmacodynamics).

**Dudouet D**

[PURIFICATION AND KINETIC PROPERTIES OF MYCOBACTERIUM PHLEI PYRUVATE KINASE] Dudouet D, Le Cam-Sagniez M, Bernard S *Biochimie* 55:637-42, 1973 (Fre)

ADENOSINE DIPHOSPHATE; ADENOSINE MONOPHOSPHATE; ALLOSTERIC REGULATION; CHROMATOGRAPHY, ION EXCHANGE; ELECTROPHORESIS, POLYACRYLAMIDE GEL; GEL FILTRATION; HYDROGEN-ION CONCENTRATION; KINETICS; MAGNESIUM; MYCOBACTERIUM (enzymology); PRECIPITATION; PROTEIN DENATURATION; PYRUVATE KINASE (antagonists & inhibitors, isolation & purification); STIMULATION, CHEMICAL; TEMPERATURE.

**Dugan D**

ANTIARRHYTHMIC AND GENERAL CARDIOVASCULAR ACTIVITY OF THE N,N-DIMETHYLQUATERNARY AMMONIUM DERIVATIVE OF BUNOLOL. Kaplan HR, Barker JW, Dugan D, Fox J, Giardino E *Arch Int Pharmacodyn Ther* 207:28-43, Jan 74 (Eng)

**Duggleby RG**

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. PURIFICATION AND CHARACTERIZATION. Duggleby RG, Dennis DT *J Biol Chem* 249:162-6, 10 Jan 74 (Eng)

ALCOHOL, ETHYL; AMINO ACIDS (analysis); BINDING SITES; ELECTROPHORESIS, POLYACRYLAMIDE GEL; GLYCERALDEHYDE; GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (antagonists & inhibitors, metabolism, isolation & purification); HEAT; HYDROGEN-ION CONCENTRATION; KINETICS; MACROMOLECULAR SYSTEMS; MOLECULAR WEIGHT; NAD (pharmacodynamics); ORGANOPHOSPHORUS COMPOUNDS (pharmacodynamics); PHOSPHATES (pharmacodynamics); PLANTS (enzymology); PROTEIN BINDING; SPECIES SPECIFICITY; SPECTROPHOTOMETRY, ULTRAVIOLET; ULTRACENTRIFUGATION.

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. ASSAY AND STEADY STATE KINETICS. Duggleby RG, Dennis DT *J Biol Chem* 249:167-74, 10 Jan 74 (Eng)

ANALYSIS OF VARIANCE; BINDING SITES; DIPHOSPHOGLYCERIC ACIDS (pharmacodynamics); DRUG STABILITY; GLYCERALDEHYDE (pharmacodynamics); GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (antagonists & inhibitors, metabolism); KINETICS; MATHEMATICS; MODELS, CHEMICAL; NAD; ORGANOPHOSPHORUS COMPOUNDS (pharmacodynamics); PLANTS (enzymology); PROTEIN BINDING; SPECTROPHOTOMETRY, ULTRAVIOLET; TIME FACTORS.

NICOTINAMIDE ADENINE DINUCLEOTIDE-SPECIFIC GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE FROM PISUM SATIVUM. EFFECT OF NICOTINAMIDE ADENINE DINUCLEOTIDE AND RELATED COMPOUNDS ON THE ENZYME-CATALYZED ARSENOLYSIS OF 1,3-DIPHOSPHOGLYCERIC ACID. Duggleby RG, Dennis DT *J Biol Chem* 249:175-81, 10 Jan 74 (Eng)

ARSENIC (pharmacodynamics); BINDING, COMPETITIVE; BINDING SITES; DIPHOSPHOGLYCERIC ACIDS; GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (antagonists & inhibitors, metabolism); HYDROGEN-ION CONCENTRATION; KINETICS; NAD (pharmacodynamics); PLANTS (drug effects, enzymology); PROTEIN BINDING; SPECTROPHOTOMETRY, ULTRAVIOLET; STRUCTURE-ACTIVITY RELATIONSHIP; TIME FACTORS.

**Duhault J**

KK MICE AS A MODEL OF MICROANGIOPATHIC LESIONS IN DIABETES. Duhault

## Dumchius AS

J. Lebon F, Boulanger M *Bibl Anat* 11:453-8, 1973 (Eng)

DIABETIC ANGIOPATHIES (pathology); DIABETIC NEPHROPATHIES (pathology); DIABETIC RETINOPATHY (pathology); DISEASE MODELS, ANIMAL; GLUCOSE TOLERANCE TEST; KIDNEY GLOMERULUS (blood supply, pathology); MICE; MICE, INBRED STRAINS; MICROCIRCULATION (pathology); MICROSCOPY; ORGAN SPECIFICITY; RETINAL VESSELS (pathology).

## Dumchius AS

[EXPERIENCE IN USING CONSTANT TRANSVENOUS ENDOCARDIAL ELECTRICAL STIMULATION OF THE HEART] Dumchius AS *Kardiologia* 14:65-8, Feb 74 (Rus)

ADAMS-STOKES SYNDROME (therapy); AGED; ARTERIOSCLEROSIS (therapy); CEREBRAL ARTERIOSCLEROSIS (therapy); CHRONIC DISEASE; CORONARY DISEASE (therapy); DIABETES MELLITUS (therapy); ELECTRIC STIMULATION; ELECTROCARDIOGRAPHY; ELECTRODES, IMPLANTED; FOLLOW-UP STUDIES; HEART BLOCK (therapy); HEART DISEASES (therapy); MIDDLE AGE; MYOCARDIAL INFARCT (therapy); PACEMAKER, ARTIFICIAL; PITUITARY NEOPLASMS (therapy); RESPIRATORY INSUFFICIENCY (therapy); RHEUMATIC HEART DISEASE (therapy).

## Dunaway GA Jr

A STABILIZING FACTOR FOR LIVER PHOSPHOFRUCTOKINASE. Dunaway GA Jr, Segal HL *Biochem Biophys Res Commun* 56:689-96, 4 Feb 74 (Eng)

ALLOXAN DIABETES (enzymology); DIALYSIS; DRUG STABILITY; GEL FILTRATION; GLUCOKINASE (metabolism); GLUCOSE (pharmacodynamics); HALF-LIFE; INSULIN (pharmacodynamics); KIDNEY (metabolism); KINETICS; LIVER (cytology, drug effects, metabolism, enzymology); MATHEMATICS; ORGAN SPECIFICITY; PHOSPHOFRUCTOKINASE (metabolism); PYRUVATE KINASE (metabolism); RATS; STARVATION; SUBCELLULAR FRACTIONS (metabolism); TEMPERATURE; TIME FACTORS.

## Dunnigan MG

FAMILIAL LIPOATROPHIC DIABETES WITH DOMINANT TRANSMISSION. A NEW SYNDROME. Dunnigan MG, Cochrane MA, Kelly A, Scott JW *Q J Med* 43:33-48, Jan 74 (Eng)

ADULT; CHLORPROPAMIDE (therapeutic use); CHOLESTEROL (blood); CLOFIBRATE (therapeutic use); DIABETES MELLITUS (drug therapy, familial & genetic); DIETARY CARBOHYDRATES (therapeutic use); GENES, DOMINANT; HYPERLIPIDEMIA (drug therapy, familial & genetic); INSULIN (blood); LIPODYS-TROPHY (drug therapy, therapy, familial & genetic); LIPOPROTEINS (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MIDDLE AGE; PEDIGREE; PHENFORMIN (therapeutic use); TRIGLYCERIDES (blood).

## Duran WN

INFLUENCE OF MAXIMAL VASODILATION ON GLUCOSE AND SODIUM BLOOD-TISSUE TRANSPORT IN CANINE HEART. Duran WN, Alvarez OA, Yudilevich DL *Microvasc Res* 6:347-59, Nov 73 (Eng)

BIOLOGICAL TRANSPORT, ACTIVE; BLOOD PRESSURE (drug effects); CAPILLARY PERMEABILITY (drug effects); CHROMIUM RADIOISOTOPES; CORONARY VESSELS (drug effects); DIFFUSION; DIPYRIDAMOLE (pharmacodynamics); DOGS; GLUCOSE (metabolism); GLYCERYL TRINITRATE (pharmacodynamics); HEMATOCRIT; MICROCIRCULATION; MYOCARDIUM (metabolism);

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## Durham BW

LETTER: IMPROVED TECHNIQUE FOR SERUM GLUCOSE ASSAY ON AUTOMATIZER. Lott JA, Mercier JE. Durham BW *Clin Chem* 20:94-5, 1974 (Eng)

## Dvornikova PD

[ISOLATION, PURIFICATION AND SOME PROPERTIES OF PHOSPHOFRUCTOKINASE FROM MUSCLES OF PEKING DUCKS] Dvornikova ND, Deleva VP, Gulii MF, Dvornikova PD *Ukr Biokhim Zh* 45:379-86, Jul-Aug 73 (Ukr)

## Dwek RA

ENZYME CONFORMATION AND CONTROL. Dwek RA, Griffiths JR, Radda GK *Symp Soc Exp Biol* 27:49-63, 1973 (Eng)

ADENYL CYCLASE (metabolism); BINDING SITES; ELECTRON SPIN RESONANCE; ENZYMES; FLUORESCENCE; GLUCOKINASE (metabolism); GLUCOSEPHOSPHATASE (metabolism); GLYCOGEN (biosynthesis, metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGEN SYNTHETASE (metabolism); LIGANDS; MODELS, CHEMICAL; PHOSPHOTRANSFERASES (metabolism); PROTEIN CONFORMATION.

## Dyson RD

BOVINE PYRUVATE KINASES. 3. HYBRIDS OF THE LIVER AND SKELETAL MUSCLE ISOZYMES. Dyson RD, Cardenas JM *J Biol Chem* 248:8482-8, 25 Dec 73 (Eng)

CATTLE; CENTRIFUGATION, DENSITY GRADIENT; COMPUTERS, DIGITAL; ELECTROPHORESIS; ENZYME ACTIVATION; FRUCTOSEPHOSPHATES; GUANIDINES; HYBRIDIZATION; ISOELECTRIC FOCUSING; ISOENZYMES; KINETICS; LIVER (enzymology); MACROMOLECULAR SYSTEMS; MUSCLES (enzymology); PHOSPHOENOLPYRUVATE; PROTEIN DENATURATION; PYRUVATE KINASE; SPECTROPHOTOMETRY.

## Dzurikova V

[EFFECT OF SINGLE ADMINISTRATION OF FUROSEMIDE IN PATIENTS WITH CHRONIC LIVER DISEASE] Dzurikova V, Brixova E, Niederland TR *Bratisl Lek Listy* 61:336-43, Mar 74 (Slo)

CHRONIC DISEASE; FUROSEMIDE (adverse effects, administration & dosage); HYPERGLYCEMIA (chemically induced); LIVER DISEASES (drug therapy).

## Dzvonkevich ND

[ISOLATION, PURIFICATION AND SOME PROPERTIES OF PHOSPHOFRUCTOKINASE FROM MUSCLES OF PEKING DUCKS] Dzvonkevich ND, Deleva VP, Gulii MF, Dvornikova PD *Ukr Biokhim Zh* 45:379-86, Jul-Aug 73 (Ukr)

DUCKS; MUSCLES (enzymology); PHOSPHOFRUCTOKINASE (analysis).

## Eaton RP

EFFECT OF CLOFIBRATE ON ARGININE-STIMULATED GLUCAGON AND INSULIN SECRETION IN MAN. Eaton RP, Schade DS *Metabolism* 23:445-54, May 74 (Eng)

ADULT; ARGININE (antagonists & inhibitors); BLOOD SUGAR (metabolism); CLOFIBRATE (pharmacodynamics); DEPRESSION, CHEMICAL; FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON (blood); GLUCOSE TOLERANCE TEST; INSULIN (blood); STIMULATION, CHEMICAL; TRIGLYCERIDES (blood).

## Edmondson LF

GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS. Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL *J Anim Sci* 37:1419-27, Dec 73 (Eng)

## Edwards AV

THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF. Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

## Egan ET

NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW. Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

## Egdahl RH

HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA. Marks LJ, Steinke J, Podolsky S, Egdahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)

## Eismann U

[BETADRENOL INFLUENCE ON CARDIOVASCULAR AND METABOLIC BEHAVIOR IN ORAL SURGERY WITH LOCAL ANESTHESIA] Tetsch P, Brisse B, Eismann U *Dtsch Zahnärztl Z* 28:1011-5, Oct 73 (Ger)

## Ekelund K

STUDIES OF GASTROINTESTINAL INTERACTIONS. V. GASTRIC SECRETION AND DUODENAL REFLUX IN MAN AFTER A COMPOSITE MEAL. THE INFLUENCE OF GLUCOSE ON GASTRIC SECRETION, EMPTYING AND GASTRIC VOLUME. Lagerlof HO, Johansson C, Ekelund K *Scand J Gastroenterol* 8:735-42, 1973 (Eng)

## Elliker PR

CARBOHYDRATE METABOLISM IN LACTIC STREPTOCOCCI: FATE OF GALACTOSE SUPPLIED IN FREE OR DISACCHARIDE FORM. Lee R, Molsness T, Sandine WE, Elliker PR *Appl Microbiol* 26:951-8, Dec 73 (Eng)

## Ellis JP

SKIN COLLAGEN IN DIABETES MELLITUS IN RELATION TO TREATMENT. Francis MJ, Ellis JP, Hockaday TD *Proc R Soc Med* 67:35-6, Jan 74 (Eng)

## Ellman M

DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION. McCarty DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)

## Eriksson CE

LETTER: GLUCOSE INTOLERANCE AND PERIPHERAL GLUCOSE UPTAKE IN ACUTELY INTOXICATED ALCOHOLICS. Eriksson CE, Hed R, Lindblad LE, Nygren A, Sundblad L *Lancet* 1:811-2, 27 Apr 74 (Eng)

ACUTE DISEASE; ADMINISTRATION, ORAL; ALCOHOLIC INTOXICATION (metabolism); ALCOHOLISM (blood, metabolism); BLOOD SPECIMEN COLLECTION; BLOOD SUGAR (analysis); CHRONIC DISEASE; FOREARM (blood supply); GLUCOSE (administration & dosage, metabolism); GLUCOSE TOLERANCE TEST.

## Esilsson J

[LACTATE ACIDOSIS IN A NON-DIABETIC TREATED WITH PHENFORMIN] Esilsson J *Läkartidningen* 71:786, 27 Feb 74 (Swe)

ACIDOSIS (chemically induced); ADULT; DRUG THERAPY, COMBINATION; ETHYLESTRENOL (therapeutic use); LACTATES (blood); PHENFORMIN (therapeutic use, adverse effects); THROMBOSIS (drug therapy).

**Esposito G**

EXTRACELLULAR SPACE IN THE EPITHELIUM OF RATS SMALL INTESTINE. Esposito G, Csaky TZ *Am J Physiol* 226:50-5, Jan 74 (Eng)  
BIOLOGICAL TRANSPORT (drug effects); CARBON RADIOISOTOPES; EPITHELIUM (metabolism); EXTRACELLULAR SPACE; GLUCOSE (pharmacodynamics); GLYCOLS (metabolism); INTESTINAL MUCOSA (metabolism); INTESTINE, SMALL (metabolism); INULIN (metabolism); LACTATES (metabolism); OLIGOSACCHARIDES (metabolism); POLYETHYLENES (metabolism); RATS; SEROUS MEMBRANE; SULFATES; TRITIUM; WATER (metabolism).

**Evans E**

A MODIFICATION OF THE ROE PROCEDURE FOR DETERMINATION OF FRUCTOSE IN TISSUES WITH INCREASED SPECIFICITY. Foreman D, Gaylor L, Evans E, Trella C *Anal Biochem* 56:584-90, Dec 73 (Eng)

**Evans RB**

CONCOMITANT EFFECTS OF INSULIN ON SURFACE MEMBRANE CONFORMATION AND POLYSOME PROFILES OF SERUM-STARVED BALB-C 3T3 FIBROBLASTS. Evans RB, Morhehn V, Jones AL, Tomkins GM *J Cell Biol* 61:95-106, Apr 74 (Eng)  
BLOOD; CELL LINE; CELL MEMBRANE (drug effects); CELLS, CULTURED (drug effects); CULTURE MEDIA; CYTOPLASM; ENDOPLASMIC RETICULUM (drug effects); FIBROBLASTS; GOLGI APPARATUS (drug effects); INSULIN (pharmacodynamics); MICE; MICE, INBRED BALB C; MICROSCOPY, ELECTRON; MICROSCOPY, ELECTRON, SCANNING; MICROTUBULES; POLYRIBOSOMES (drug effects).

**Fabricius-Bjerre N**

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH INTRAVENOUS INSULIN] Fabricius-Bjerre N, Krabbe S, Lyngsøe J, Thomsen AC *Ugeskr Laeger* 136:188-92, 21 Jan 74 (Dan)

ACIDOSIS, DIABETIC (drug therapy); ADOLESCENCE; ADULT; AGED; BICARBONATES (therapeutic use); INJECTIONS, INTRAVENOUS; INSULIN (administration & dosage, therapeutic use); KETO ACIDS (blood); MIDDLE AGE; POTASSIUM (therapeutic use); SODIUM CHLORIDE (therapeutic use).

**Faichney GH**

THE UTILIZATION BY GROWING LAMBS OF A CASEIN-SAFFLOWER OIL SUPPLEMENT TREATED WITH FORMALDEHYDE. Faichney GH, Scott TW, Cook LJ *Aust J Biol Sci* 26:1179-88, Oct 73 (Eng)

ADIPOSE TISSUE (analysis); AMINO ACIDS (blood); BLOOD SUGAR (analysis); BODY COMPOSITION; BODY WEIGHT; CASEIN (metabolism); DIET; DIETARY PROTEINS (metabolism); DIGESTION; FATTY ACIDS, ESSENTIAL (metabolism); FEEDING BEHAVIOR; FORMALDEHYDE; LINOLEIC ACID (analysis); NITROGEN (blood); SHEEP (metabolism); UREA (blood).

**Faiman C**

LONG-TERM THERAPY WITH LOW-DOSE CISCLOMIPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE. Reyes FI, Faiman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]

**Fain JN**

EFFECTS OF ADRENOCHROME AND SODIUM PERBORATE ON ISOLATED FAT CELL METABOLISM. Wieser PB, Fain JN *Biochem Pharmacol* 22:3209-16, 15 Dec 73 (Eng)

**Fales HM**

INACTIVATION OF HORMONE-SENSITIVE LIPASE FROM ADIPOSE TISSUE WITH ADENOSINE TRIPHOSPHATE, MAGNESIUM, AND ASCORBIC ACID. Tsai SC, Fales HM, Vaughan M *J Biol Chem* 248:5278-81, 10 Aug 73 (Eng)

**Faloona GR**

THE EFFECT OF ADRENERGIC BLOCKADE ON EXERCISE-INDUCED HYPERGLUCAGONEMIA. Harvey WD, Faloona GR, Unger RH *Endocrinology* 94:1254-8, May 74 (Eng)  
GLUCAGON AND THE INSULIN: GLUCAGON RATIO IN SEVERE TRAUMA. Lindsey CA, Faloona GR, Unger RH *Trans Assoc Am Physicians* 86:264-71, 1973 (Eng)

**Falser N**

[METABOLIC DISORDERS IN PATIENTS WITH BILLROTH II RESECTION] Schwamberger K, Reissigl H, Falser N *Zentralbl Chir* 98:1105-10, 3 Aug 73 (Ger)

**Fanska R**

CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS. Gerich JE, Frankel BJ, Fanska R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

**Faria CV de**

[STUDY OF PLASMA LEVELS OF FREE FATTY ACIDS AND LIPOPROTEIN LIPASE ACTIVITY IN PATIENTS WITH NEPHROTIC SYNDROME CAUSED BY INTRINSIC RENAL DISEASE] Faria CV de, Diamant J, Giannini SD *Rev Hosp Clin Fac Med Sao Paulo* 28:305-9, Nov-Dec 73 (Por)

ADOLESCENCE; ADULT; FATTY ACIDS, NONESTERIFIED (blood); LIPOPROTEIN LIPASE (blood); NEPHROTIC SYNDROME (enzymology, blood).

**Favarger P**

THE ROLE OF ACETOACETATE IN THE TRANSFER OF ACETYL UNITS OUTSIDE THE MITOCHONDRIA IN LIVER AND ADIPOSE TISSUE OF RATS OR MICE. Rous S, Favarger P *Febs Lett* 37:231-4, 1 Dec 73 (Eng)

**Fedotov VP**

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

BLOOD SUGAR (metabolism); DIABETES MELLITUS (blood, metabolism, therapy); INSULIN (blood, metabolism); KIMMELSTIEL-WILSON SYNDROME (therapy); PANCREAS (transplantation); SOMATOTROPIN (blood).

[GROWTH HORMONE AND INSULIN CONCENTRATIONS IN HUMAN PLASMA FLOWING FROM DIFFERENT ORGANS] Fedotov VP, Gebel' Glia, Sokolov IaA, Chestukhin VV *Probl Endokrinol (Mosk)* 19:6-9, Jul-Aug 73 (Rus)

CORONARY VESSELS; FEMORAL ARTERY; HEPATIC VEINS; INSULIN (blood, metabolism); JUGULAR VEIN; PULMONARY ARTERY; PULMONARY VEINS; SOMATOTROPIN (blood, metabolism); VEINS.

**Feldbruegge D**

EVALUATION OF THE ADAPTATION OF THE GLUCOSE OXIDASE-PEROXIDASE-3-METHYL-2-BENZOTHAZOLINONE HYDRAZONE-N,N-DIMETHYLANILINE PROCEDURE TO THE TECHNICON SMA 12-60, AND COMPARISON WITH OTHER AUTOMATED METHODS FOR GLUCOSE. Carey RN, Feldbruegge D, Westgard JO *Clin Chem* 20:595-602, May 74 (Eng)

**Feldman JM**

INHIBITION OF HYPOGLYCEMIA-INDUCED CORTISOL SECRETION BY THE SEROTONIN ANTAGONIST CYPROHEPTADINE. Plonk JW, Bivens CH, Feldman JM *J Clin Endocrinol Metab* 38:836-40, May 74 (Eng)

**Feldman R**

RACIAL DIFFERENCES IN SERUM AND URINE GLUCOSE AFTER GLUCOSE CHALLENGE. Dales LG, Siegel AB, Feldman R, Friedman GD, Seltzer CC, Collen MF *Diabetes* 23:327-32, Apr 74 (Eng)

**Fellers FX**

HYPERGLYCEMIA IN HYPERNATREMIC DEHYDRATION. Mandell F, Fellers FX *Clin Pediatr (Phila)* 13:367-9, Apr 74 (Eng)

**Felt V**

EFFECT OF THYROID HORMONES AND DIETARY FAT ON THE INTERRELATION OF LIPID AND CARBOHYDRATE METABOLISM IN RATS. Felt V *Endocrinol Exp (Bratisl)* 7:283-91, 1973 (Eng)

ADIPOSE TISSUE (drug effects, metabolism); BLOOD SUGAR; BUTTER; CARBOHYDRATES (metabolism); CHOLESTEROL (metabolism); DIETARY FATS (administration & dosage); FATTY ACIDS, NONESTERIFIED (metabolism); RATS; THYROID HORMONES (pharmacodynamics).

**Felts P**

DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS. Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)

**Fernandes J**

HEPATIC PHOSPHORYLASE DEFICIENCY. ITS DIFFERENTIATION FROM OTHER HEPATIC GLYCOGENOSES. Fernandes J, Koster JF, Grose WF, Sorgedraeger N *Arch Dis Child* 49:186-91, Mar 74 (Eng)

ADMINISTRATION, ORAL; BLOOD SUGAR (analysis); CHILD, PRESCHOOL; DIAGNOSIS, DIFFERENTIAL; FASTING; GLUCAGON (administration & dosage, pharmacodynamics); GLUCONEOGENESIS; GLUCOSE TOLERANCE TEST; GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGENOSIS (enzymology); GLYCOLYSIS; HEPATOMEGALY (enzymology); INJECTIONS, INTRAMUSCULAR; LACTATES (blood); LIVER (enzymology); LIVER DISEASES (familial & genetic); LIVER GLYCOGEN (biosynthesis).

**Fernandez Alvarez O**

[TEGRETOL IN DIABETIC NEUROPATHIES] Fernandez Alvarez O *Rev Iber Endocrinol* 21:75-83, Jan 74 (Spa)

ADULT; AGED; CARBAMAZEPINE (adverse effects, therapeutic use); DIABETIC NEUROPATHIES (drug therapy); DRUG EVALUATION; MIDDLE AGE.

**Ferretti G**

[EFFECTS OF REPEATED ADMINISTRATION OF INTRAVENOUSLY INJECTED GLUCOSE ON BLOOD INSULIN AND TRIGLYCERIDES IN A GROUP OF EUCRINE OLD PERSONS] Cucinotta D, Ferretti G, Marchini L, Monica C, Passeri M *G Clin Med* 54:579-97, Sep 73 (Ita)

## Ferrier PE

### Ferrier PE

AN UNUSUAL CAUSE OF FAILURE TO THRIVE. Ziai M, Ferrier PE *Clin Pediatr (Phila)* 13:379-80, Apr 74 (Eng)

### Ferstrom JD

MODIFICATION OF BRAIN SEROTONIN BY THE DIET. Ferstrom JD *Annu Rev Med* 25:1-8, 1974 (Eng)

AMINO ACIDS (blood, pharmacodynamics); BRAIN (chemically induced, metabolism); CIRCADIAN RHYTHM; DIET; DIETARY CARBOHYDRATES (pharmacodynamics); DIETARY PROTEINS (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (metabolism); HYDROXYINDOLEACETIC ACID (metabolism); HYDROXYLATION; HYDROXYTRYPTOPHAN (metabolism); INSULIN (pharmacodynamics); PROTEIN BINDING; RATS; SEROTONIN (analysis, metabolism, biosynthesis); SERUM ALBUMIN; TIME FACTORS; TRYPTOPHAN (analysis, blood, metabolism, pharmacodynamics).

### Filippos'iants ST

[TOXICITY AND PHARMACOLOGICAL PROPERTIES OF ANTINEOPLASTIC ANTIBIOTIC 1719 FROM THE CLASS OF DIAZO COMPOUNDS] Gol'dberg LE, Stepanova ES, Filippos'iants ST *Antibiotiki* 18:332-8, Apr 73 (Rus)

### Filippov SP

[NUCLEIC ACID CONTENT IN THE BRAIN TISSUE OF RATS AFTER THE ADMINISTRATION OF DIFFERENT DOSES OF INSULIN] Sharkov BM, Filippov SP *Biol Nauki* 2:44-6, 1974 (Rus)

### Fischer GW

NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW. Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

GLUCOSE TOLERANCE TEST; HYPOGLYCEMIA (etiology); INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (surgery, diagnosis); ISLET CELL TUMOR (surgery, diagnosis); NEUROLOGIC MANIFESTATIONS; PANCREATIC NEOPLASMS (surgery, diagnosis).

### Fischer JE

SURGICAL THERAPY OF CHRONIC PEPTIC ULCER. PREOPERATIVE ASSESSMENT, CHOICE OF OPERATIONS, AND CONSEQUENCES. Dodsworth JM, Fischer JE *Surg Clin North Am* 54:529-47, Jun 74 (Eng) [124]

### Fiser RH

DEVELOPMENT AND APPLICATION OF A RADIOIMMUNOASSAY FOR PLASMA GLUCAGON. Sperling MA, DeLamater PV, Kazenelson M, Fiser RH, Fisher DA *Clin Chem* 20:566-70, May 74 (Eng)

### Fisher DA

DEVELOPMENT AND APPLICATION OF A RADIOIMMUNOASSAY FOR PLASMA GLUCAGON. Sperling MA, DeLamater PV, Kazenelson M, Fiser RH, Fisher DA *Clin Chem* 20:566-70, May 74 (Eng)

### Fisher PM

THE EFFECT OF PREGNANCY ON INTRAVENOUS GLUCOSE TOLERANCE. Fisher PM, Hamilton PM, Sutherland HW, Stowers JM *J Obstet Gynaecol Br Commonw* 81:285-90, Apr 74 (Eng)

ADULT; BODY HEIGHT; BODY WEIGHT; FASTING; GESTATIONAL AGE; GLUCOSE (metabolism); GLUCOSE TOLERANCE TEST; MATHEMATICS; PARITY; PREGNANCY.

## Diabetes Literature—Author Index

### Fissan H

[THE EFFECT OF MORPHINE, PETHIDINE AND CLORPROMAZINE ON THE HYPOTHALAMO-PITUITARY-ADRENAL SYSTEM (AUTHORS TRANSL.) Morgner KD, Fissan H, Lucke C *Klin Wochenschr* 51:1205-7, 15 Dec 73 (Ger)

### Flatmark T

ENERGY-DEPENDENT ACCUMULATION OF IRON BY ISOLATED RAT LIVER MITOCHONDRIA. II. RELATIONSHIP TO THE ACTIVE TRANSPORT OF CA<sup>2+</sup>. Romslo I, Flatmark T *Biochim Biophys Acta* 325:38-46, 19 Oct 73 (Eng)

### Flear CT

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### Flenker H

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### Focant B

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### Foley CW

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### Foreman D

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### Forman D

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### Fornasiero C

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### Forsham PH

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### Forster W

[HEMODYNAMIC AND BIOCHEMICAL RESULTS FOLLOWING ADMINISTRATION OF ALLOPURINOL IN HEALTHY INDIVIDUALS] Szigoleit W, Taube C, Terhaag B, Forster W *Z Gesamte Inn Med* 28:465-6, 1 Aug 73 (Ger)

### Fottrell PF

A STUDY OF SOME ENZYMES AND ISOENZYMES OF CARBOHYDRATE METABOLISM IN HUMAN ENDOMETRIUM DURING THE MENSTRUAL CYCLE. Spellman CM, Fottrell PF, Baynes S, O'Dwyer EM, Clinch JD *Clin Chim Acta* 48:259-68, 30 Oct 73 (Eng)

### Fouche W

GASTRIC MUCORMYCOSIS IN A DIABETIC PATIENT. Dannheimer IP, Fouche W, Nel C *S Afr Med J* 48:838-9, 20 Apr 74 (Eng)

### Fouquier E

[NEW ASPECTS OF THE TREATMENT OF DIABETIC RETINOPATHY] Regnault F, Barre Y, Rietzler X, Fouquier E, Aubert P, Molinier A, Zera M *Therapeutique* 49:505-7, Sep-Oct 73 (Fre)

### Fournier J

FACIAL PARALYSES. Gagnon NB, Fournier J *Can J Otolaryngol* 1:21-6, 1972 (Eng)

### Fourrier A

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**Fox FW**

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**Fox J**

**ANTIARRHYTHMIC AND GENERAL CARDIOVASCULAR ACTIVITY OF THE N,N-DIMETHYLQUATERNARY AMMONIUM DERIVATIVE OF BUNOLOL.** Kaplan HR, Barker JW, Dugan D, Fox J, Giardino E *Arch Int Pharmacodyn Ther* 207:28-43, Jan 74 (Eng)

**Francis MJ**

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**Franck G**

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**Frankel BJ**

**CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS.** Gerich JE, Frankel BJ, Fanska R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

**Freed S**

**URETERAL CONDUIT IN PANCREATIC TRANSPLANTATION.** Whittaker JR, Veith FJ, Gold M, Freed S, Gliedman ML *Invest Urol* 11:315-8, Jan 74 (Eng)

**Frexinos J**

**[ENDOCRINE CELLS OF THE HUMAN DUODENAL MUCOSA. ULTRASTRUCTURAL STUDY]** Frexinos J, Balas D, Ribet A *Biol Gastroenterol (Paris)* 6:105-17, Mar 73 (Fre)

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**Friedman GD**

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**Fruh E**

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**Fujimori K**

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**Fuller RW**

**ELEVATION OF HEPATIC PHENYLALANINE: PYRUVATE AMINOTRANSFERASE BY DIBUTYRYL CYCLIC AMP IN RATS.** Fuller RW, Baker JC, Snoddy HD *Biochem Med* 9:301-8, Mar 74 (Eng)  
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**Fuller WI**

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**Furman BL**

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**Gaag I van der**

**DIABETES MELLITUS WITH PANCREATIC ATROPHY IN ANTELOPES IN THE AMSTERDAM ZOO.** Gaag I van der, Borst GH, Vroeg C *Zentralbl Veterinärmed [A]* 20:843-54, Dec 73 (Eng)  
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**Gagnon NB**

**FACIAL PARALYSES.** Gagnon NB, Fournier J *Can J Otolaryngol* 1:21-6, 1972 (Eng)  
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**Gainer JL**

**ALTERING DIFFUSION RATES.** Gainer JL, Chisholm GM 3d *Adv Exp Med Biol* 37:729-31, 1973 (Eng)  
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**Gallagher MJ**

**PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY.** Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

**Galton DJ**

**REGULATORY DEFECT OF GLYCOLYSIS IN HUMAN LIPOMA.** Atkinson JN, Galton DJ, Gilbert C *Br Med J* 1:101-2, 19 Jan 74 (Eng)

**Gambino SR**

**A COMPARISON OF SERUM VERSUS HEPARINIZED PLASMA FOR ROUTINE CHEMISTRY TESTS.** Lum G, Gambino SR *Am J Clin Pathol* 61:108-13, Jan 74 (Eng)

**Gandhi PS**

**DECREASED PROTEIN SYNTHESIS BY MICROSOMES ISOLATED FROM SENESCENT RAT LIVER.** Buetow DE, Gandhi PS *Exp Gerontol* 8:243-9, Oct 73 (Eng)

**Garbieri KJ**

**INSULIN: A COMPARISON OF THE RESULTS OF PLASMA AND SERUM ASSAYS USING A DOUBLE-ANTIBODY TECHNIQUE.** Crowley MF, Garbieri KJ *Clin Chim Acta* 51:345-7, 26 Mar 74 (Eng)

**García Viveros M**

**[LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLORPROPAMIDE-METFORMIN]** Schulte J, García Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)

**Garrison BM**

**EFFECT OF REPEATED INJECTIONS OF OESTROGEN ON UTERINE GLYCOGEN.** Bo WJ, Krueger WA, Garrison BM *J Endocrinol* 59:381-2, Nov 73 (Eng)

**Gaspard U**

**GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY.** Gaspard U, Sandroni H, Luyckx A *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)  
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Gaylis H *S Afr Med J* 48:75-81, 19 Jan 74 (Eng)  
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### Gaylor L

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Foreman D, Gaylor L, Evans E, Trella C *Anal Biochem* 56:584-90, Dec 73 (Eng)

### Gebel' G

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### Geer BW

THE PENTOSE SHUNT IN WILD-TYPE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT DROSOPHILA MELANOGASTER. Geer BW, Bowman JT, Simmons JR *J Exp Zool* 187:77-86, Jan 74 (Eng)  
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### Geiger R

INSULIN SYNTHESIS FROM NATURAL CHAINS BY MEANS OF REVERSIBLE BRIDGING COMPOUNDS. Geiger R, Obermeier B *Biochem Biophys Res Commun* 55:60-6, 1 Nov 73 (Eng)  
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KINETIC ANALYSIS OF PARTIALLY PURIFIED GLUCOSE-6-PHOSPHATE DEHYDROGENASES FROM RAT MUSCLE, ADIPOSE TISSUE AND LIVER, AND FROM BAKERS YEAST. Geisler RW, McClure AM, Hansen RJ *Biochim Biophys Acta* 327:1-10, 15 Nov 73 (Eng)  
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### Gelin LE

INTRAVASCULAR AGGREGATION OF BLOOD CELLS AND TISSUE METABOLIC DEFECTS.  
Gelin LE *Adv Exp Med Biol* 37:647-56, 1973 (Eng)

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### Geller LI

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### Genant H

DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION. McCarty DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)

### Genes SG

[CONDITIONING OF HYPERGLYCEMIA AND HYPERINSULINEMIA IN GENETICALLY OBESE MICE THROUGH RESISTANCE TO INSULIN] Genes SG *Fiziol Zh* 20:265-72, Jan-Feb 74 (Ukr)

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### George DT

ALTERED GROWTH HORMONE HOMEOSTASIS DURING ACUTE BACTERIAL SEPSIS IN THE RHESUS MONKEY. Rayfield EJ, George DT, Beisel WR *J Clin Endocrinol Metab* 38:746-54, May 74 (Eng)

### George JC

INFLUENCE OF EXOGENOUS GROWTH HORMONE AND ITS ANTISERUM ON PLASMA FREE FATTY ACID LEVEL IN THE PIGEON. John TM, McKeown BA, George JC *Comp Biochem Physiol [A]* 46:497-504, 1 Nov 73 (Eng)

### Georgiev GP

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP *Diabetes* 23:302-5, Apr 74 (Eng)

### Gerich JE

CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS. Gerich JE, Frankel BJ, Fanska R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)  
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### Gerkins VR

EVALUATION OF CANCER RISK FACTORS IN A RETIREMENT COMMUNITY. Henderson BE, Bogdanoff E, Gerkins VR, SooHoo J, Arthur M *Cancer Res* 34:1045-8, May 74 (Eng)

### Gershoff SH

GROWTH HORMONE LEVELS IN VITAMIN B6-DEFICIENT RATS. Makris A, Gershoff SH *Horm Metab Res* 5:457-61, Nov 73 (Eng)

### Ghergut A

[PHYSIOPATHOLOGICAL AND ANATOMOClinical BASES OF SURGERY OF DUODENAL ULCER (CORTICAL, DIENCEPHALIC, HYPOPHYSEAL, PANCREATIC, ADRENAL) AND VAGOGASTRIC PATHOGENIC HYPOTHESIS] Mandache F, Prodescu V, Constantinescu S, Vasiliu M, Ghergut A *Chirurgia (Bucur)* 23:97-110, Feb 74 (Rum)

### Giannattasio G

STUDIES ON IN VITRO SYNTHESIS AND SECRETION OF GROWTH HORMONE AND PROLACTIN. II. EVIDENCE AGAINST THE EXISTENCE OF PRECURSOR MOLECULES. Zanini A, Giannattasio G, Meldolesi J *Endocrinology* 91:104-11, Jan 74 (Eng)

### Giannini SD

[STUDY OF PLASMA LEVELS OF FREE FATTY ACIDS AND LIPOPROTEIN LIPASE ACTIVITY IN PATIENTS WITH NEPHROTIC SYNDROME CAUSED BY INTRINSIC RENAL DISEASE] Faria CV de, Diamant J, Giannini SD *Rev Hosp Clin Fac Med Sao Paulo* 28:305-9, Nov-Dec 73 (Por)

**Giansanti JS**

RESPONSIVENESS OF HUMAN SUBJECTS TO HUMAN GROWTH HORMONE: RELATION TO BONE AGE. Rudman D, Patterson JH, Gibbas DL, Richardson TJ, Awrich AI, Anthony AE, Bixler TJ 2d, Giansanti JS *J Clin Endocrinol Metab* 38:848-55, May 74 (Eng)

**Giardino E**

ANTIARRHYTHMIC AND GENERAL CARDIOVASCULAR ACTIVITY OF THE N,N-DIMETHYLQUATERNARY AMMONIUM DERIVATIVE OF BUNOLOL. Kaplan HR, Barker JW, Dugan D, Fox J, Giardino E *Arch Int Pharmacodyn Ther* 207:28-43, Jan 74 (Eng)

**Gibbas DL**

RESPONSIVENESS OF HUMAN SUBJECTS TO HUMAN GROWTH HORMONE: RELATION TO BONE AGE. Rudman D, Patterson JH, Gibbas DL, Richardson TJ, Awrich AI, Anthony AE, Bixler TJ 2d, Giansanti JS *J Clin Endocrinol Metab* 38:848-55, May 74 (Eng)

**Gilbert C**

REGULATORY DEFECT OF GLYCOLYSIS IN HUMAN LIPOMA. Atkinson JN, Galton DJ, Gilbert C *Br Med J* 1:101-2, 19 Jan 74 (Eng)

**Gilbert JC**

PROCEEDINGS: EFFECTS OF PHENOBARBITONE ON GLUCOSE TRANSPORT AND MEMBRANE ATP-ASE ACTIVITIES OF CEREBRAL CORTEX. Gilbert JC *Br J Pharmacol* 44:338P-339P, Feb 72 (Eng)

ADENOSINE TRIPHOSPHATASE (metabolism); BIOLOGICAL TRANSPORT (drug effects); CEREBRAL CORTEX (enzymology, metabolism); GLUCOSE (metabolism); GUINEA PIGS; KINETICS; MEMBRANES (enzymology); PHENOBARBITAL (pharmacodynamics); SODIUM (pharmacodynamics).

**Gilbert-Dreyfus**

[DIAGNOSIS AND CURRENT TREATMENT OF DIABETES INSIPIDUS. APROPOS OF 10 CASES] Schaison G, Nathan C, Gilbert-Dreyfus *Sem Hop Paris* 49:2825-31, 26 Oct 73 (Fre)

**Giles AR**

LETTER: FIBRINOLYTIC ACTIVITY AND DEEP-VEIN THROMBOSIS. Giles AR *Lancet* 1:803, 27 Apr 74 (Eng)

ETHYLESTRENOL (therapeutic use); ETHYLOLISIN; PHENFORMIN (therapeutic use); PLASMINOGEN (analysis); THROMBOPHLEBITIS (drug therapy, blood).

**Gingerich R**

INHIBITION BY HALOTHANE OF GLUCOSE-STIMULATED INSULIN SECRETION IN ISOLATED PIECES OF RAT PANCREAS. Gingerich R, Wright PH, Paradise RR *Anesthesiology* 40:449-52, May 74 (Eng)

DOSE-RESPONSE RELATIONSHIP, DRUG; GLUCOSE (antagonists & inhibitors, pharmacodynamics); HALOTHANE (administration & dosage, metabolism, pharmacodynamics); INSULIN (secretion); PANCREAS (drug effects, secretion); RATS.

**Girard J**

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zupping K *J Pediatr* 84:821-4, Jun 74 (Eng)

**Girard JR**

FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS. Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

ACETYLCHOLINE (pharmacodynamics); BLOOD SUGAR; FETUS (physiology); GESTATIONAL AGE; GLUCAGON (blood, secretion); INSULIN (blood, secretion); MATERNAL-FETAL EXCHANGE; NOREPINEPHRINE (pharmacodynamics); PANCREAS (embryology, secretion); PREGNANCY; RATS; SEROTONIN (pharmacodynamics).

**Giron B**

LETTER: FULL AND EMPTY FAT CELLS. Ostrowski ZL, Giron B *Lancet* 2:1493, 29 Dec 73 (Eng)

**Glatzl J**

[PRADER-WILLI-LABHART-SYNDROME IN INFANCY (AUTHORS TRANSL.)] Haberland H, Glatzl J, Unterkircher R *Paediatr Paedol* 9:123-9, 1974 (Ger)

**Gleysten J**

PROXIMAL GASTRIC VAGOTOMY WITHOUT DRAINAGE: AN EXPERIMENTAL STUDY. Hallenbeck GA, Gleysten J *Ann Surg* 179:608-17, May 74 (Eng)

**Gliedman ML**

URETERAL CONDUIT IN PANCREATIC TRANSPLANTATION. Whittaker JR, Veith FJ, Gold M, Freed S, Gliedman ML *Invest Urol* 11:315-8, Jan 74 (Eng)

**Gliemann J**

LIPOGENESIS AND INSULIN SENSITIVITY OF SINGLE FAT CELLS. Gliemann J, Vinten J *J Physiol (Lond)* 236:499-516, Feb 74 (Eng)

ADIPOSE TISSUE (drug effects, growth & development, metabolism); CARBON RADIOISOTOPES; CELL SEPARATION; CLOSTRIDIOPOLYMERASE A; DOSE-RESPONSE RELATIONSHIP, DRUG; EPIDIDYMIS; GLUCOSE (metabolism); INSULIN (pharmacodynamics); LIPIDS (biosynthesis); OSMIUM; RATS.

**Godicke W**

THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE. Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)

**Goebell H**

THE EFFECT OF ETHIONINE ON THE ENERGY PRODUCING METABOLISM IN THE RAT PANCREAS. I. THE INFLUENCE ON THE ACTIVITIES OF KEY ENZYMES OF VARIOUS METABOLIC PATHWAYS. Goebell H, Schmitz-Moormann P *Horm Metab Res* 5:435-9, Nov 73 (Eng)

ALCOHOL OXIDOREDUCTASES (metabolism); CITRATE SYNTHASE (metabolism); COENZYME A; DNA (biosynthesis); ENERGY METABOLISM (drug effects); ETHIONINE (pharmacodynamics); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); GLYCERAL-DEHYDROPHOSPHATE DEHYDROGENASE (metabolism); GLYCEROLPHOSPHATE DEHYDROGENASE (metabolism); HEXOKINASE (metabolism); ISOCITRATE DEHYDROGENASE (metabolism); KETOACID-LYASES (metabolism); NAD; NADP; PANCREAS (metabolism, enzymology); PHOSPHOFRUCTOKINASE (metabolism); PROTEINS (biosynthesis); RATS; RNA (biosynthesis); TIME FACTORS.

**Goering HK**

GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS. Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL *J Anim Sci* 37:1419-27, Dec 73 (Eng)

**Gold EW**

STUDIES ON A PYROPHOSPHATASE AND GLUCOSE-6-PHOSPHATASE FROM ASPERGILLUS ORYZAE. Gold EW, Veitch FP *Biochim Biophys Acta* 327:166-75, 15 Nov 73 (Eng)

ACETONE; ACID PHOSPHATASE (isolation & purification); ASPERGILLUS (enzymology); CHROMATOGRAPHY, ION EXCHANGE; DRUG STABILITY; GEL FILTRATION; GLUCOSE; GLUCOSEPHOSPHATASE (antagonists & inhibitors, isolation & purification); HEAT; HYDROGEN-ION CONCENTRATION; KINETICS; MOLECULAR WEIGHT; MOLYBDENUM; PHOSPHOTRANSFERASES (antagonists & inhibitors, isolation & purification); PRECIPITATION; PYROPHOSPHATASES (antagonists & inhibitors, isolation & purification); PYROPHOSPHATES.

**Gold M**

URETERAL CONDUIT IN PANCREATIC TRANSPLANTATION. Whittaker JR, Veith FJ, Gold M, Freed S, Gliedman ML *Invest Urol* 11:315-8, Jan 74 (Eng)

**Goldberg LE**

[TOXICITY AND PHARMACOLOGICAL PROPERTIES OF ANTINEOPLASTIC ANTIBIOTIC 1719 FROM THE CLASS OF DIAZO COMPOUNDS] Goldberg LE, Stepanova ES, Filippos'iants ST *Antibiotiki* 18:332-8, Apr 73 (Rus)

ADMINISTRATION, ORAL; ADRENAL GLANDS (drug effects); ANTIBIOTICS, ANTINEOPLASTIC; AZO COMPOUNDS; AZOTOMYCIN (administration & dosage, pharmacodynamics, toxicity); BILIRUBIN (blood); BLOOD SUGAR (metabolism); CATS; DOGS; GLUTAMINE (antagonists & inhibitors); HEART (drug effects); INJECTIONS, INTRAPERITONEAL; INJECTIONS, INTRAVENOUS; INJECTIONS, SUBCUTANEOUS; MICE; ORGAN WEIGHT; RABBITS; RATS; SPLEEN (drug effects); THYMUS GLAND (drug effects); UREA (blood).

**Goldrick RB**

THE EFFECT OF MATERNAL MALNUTRITION ON THE PROGENY IN THE RAT. STUDIES IN VITRO OF ADIPOSE TISSUE LIPOGENESIS AND LIPOPROTEIN LIPASE ACTIVITY FOLLOWING FRUCTOSE FEEDING. McLeod KI, Nestel PJ, Goldrick RB *Aust J Exp Biol Med Sci* 51:811-24, Dec 73 (Eng)

**Goldsmith S**

GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS. Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

**Goldstein HH**

SEXUAL DYSFUNCTION IN DIABETIC MEN. Kolodny RC, Kahn CB, Goldstein HH, Barnett DM *Diabetes* 23:306-9, Apr 74 (Eng)

**Golikov AP**

[EXPERIENCE WITH USING GLUCAGON IN ACUTE MYOCARDIAL INFARCT] Golikov AP, Berestov AA, Abdrakhmanov VR, Bobkov AI *Kardiologia* 14:37-42, Feb 74 (Rus)

ACID-BASE EQUILIBRIUM; ACUTE DISEASE; ADULT; AGED; ARRHYTHMIA (drug therapy); BLOOD GAS ANALYSIS; CATECHOLAMINES (blood); GLUCAGON (therapeutic use); HEART BLOCK (drug therapy); HEART FAILURE, CONGESTIVE (drug therapy); HEMODYNAMICS; 11-HYDROXYCORTICOSTEROIDS (blood); INFUSIONS, PARENTERAL; KININS (blood); MIDDLE AGE; MYOCARDIAL INFARCT (drug therapy); PLETHYSMOGRAPHY, IMPEDANCE; SHOCK, CARDIOGENIC (drug therapy); TRANSCORTIN (analysis).

## Diabetes Literature—Author Index

### Goncz J

#### Goncz J

[PROOF OF INCREASED HYPOTHALAMIC ACTIVITY] Mosonyi L, Goncz J, Palossy B, Dobias G *Wien Z Inn Med* 54:114-9, 1973 (Ger)

#### Gonzalez E

RELATIONSHIP BETWEEN INTRADUODENAL LIPOLYSIS AND GASTRIC EMPTYING. Bustos Fernandez L, Gonzalez E, Marzi A *Acta Gastroenterol Latinoam* 5:57-60, Apr-Jun 73 (Eng)

#### Goodner CJ

HOMEOSTASIS OF BODY WEIGHT IN A DIABETES CLINIC POPULATION. Goodner CJ, Ogilvie JT *Diabetes* 23:318-26, Apr 74 (Eng)  
ACETOHEXAMIDE (therapeutic use); ACIDOSIS, DIABETIC (drug therapy); ADOLESCENCE; ADULT; AGE FACTORS; AGED; APPETITE REGULATION; BLOOD SUGAR; BODY WEIGHT; CHILD; CHLORPROPAMIDE (therapeutic use); DIABETES MELLITUS (drug therapy, therapy, physiopathology); DIET THERAPY; FEEDING BEHAVIOR; HOMEOSTASIS; INSULIN (therapeutic use); MIDDLE AGE; PHENFORMIN (therapeutic use); REGRESSION ANALYSIS; TIME FACTORS; TOLBUTAMIDE (therapeutic use).

#### Gorden P

HYPOGLYCEMIA IN ASSOCIATION WITH EXTRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA NSILA-S BY A NEW RADIORECEPTOR ASSAY. Megyesi K, Kahn CR, Roth J, Gordon P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)

#### Gordienko OE

[INHIBITION OF THE ACTIVITY OF KEY GLYCOLYTIC ENZYMES IN RAT LIVERS FOLLOWING PROLONGED INSULIN ADMINISTRATION] Gordienko OE, Chesnokov VN, Mervetsov NP, Salganik RI *Probl Endokrinol (Mosk)* 19:78-82, Jul-Aug 73 (Rus)  
CHEMISTRY; DENSITOMETRY; ENZYME INDUCTION (drug effects); HEXOKINASE (metabolism); INSULIN, PROTAMINE ZINC (pharmacodynamics); ISOENZYMES (metabolism); LIVER (enzymology); PYRUVATE KINASE (metabolism); RATS.

[DEMONSTRATION OF RAT LIVER HEXOKINASE ISOENZYMES BY MEANS OF AGAR GEL ELECTROPHORESIS] Chesnokov VN, Gordienko OE, Mervetsov NP *Vopr Med Khim* 19:498-501, Sep-Oct 13 (Rus)

#### Gordon CH

GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS. Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL *J Anim Sci* 37:1419-27, Dec 73 (Eng)

#### Gordon G

CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID. Patchefsky AS, Gordon G, Harrer WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

#### Gorelkin L

PANCREATIC INVOLVEMENT BY VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS IN THE HAMSTER. Gorelkin L, Jahrling PB *Am J Pathol* 75:349-62, May 74 (Eng)

ARBOVIRUS INFECTIONS (pathology); DIABETES MELLITUS (etiology); ENCEPHALITIS VIRUS, VENEZUELAN EQUINE (isolation & purification); ENDOTHELUM (microbiology); FLUORESCENT ANTIBODY TECHNIC; HAMSTERS; ISLANDS OF LANGEHANS (microbiology, pathology); MICROSCOPY, ELECTRON; PANCREAS (microbiology, pathology); PANCREATITIS (etiology); SPLEEN (microbiology).

GERHANS (microbiology, pathology); MICROSCOPY, ELECTRON; PANCREAS (microbiology, pathology); PANCREATITIS (etiology); SPLEEN (microbiology).

#### Gotlin RW

LETTER: PATHOGENESIS OF OBESITY IN PRADER-WILLI SYNDROME. Mace J, Gotlin RW, Dubois R *J Pediatr* 84:927-8, Jun 74 (Eng)

#### Gottschalk A

ON THE BIOSYNTHESIS OF GLYCOPROTEINS. Gottschalk A *Z Naturforsch [C]* 28:94-9, Jan-Feb 73 (Eng)  
ENZYMES; GLYCOPROTEINS (biosynthesis); PHOSPHOLIPIDS (metabolism); STAPHYLOCOCCUS (metabolism).

#### Grace WJ

ACCIDENTAL HYPOTHERMIA IN AN ALCOHOLIC POPULATION. Weyman AE, Greenbaum DM, Grace WJ *Am J Med* 56:13-21, Jan 74 (Eng)

#### Granada MG

LOWER LUNG FIELD TUBERCULOSIS. Berger HW, Granada MG *Chest* 65:522-6, May 74 (Eng) [22]

#### Granovskaia-Tsvetkova AM

[DIABETIC NEPHROPATHY] Granovskaia-Tsvetkova AM *Med Sestra* 33:13-5, Jan 74 (Rus)  
DIABETIC NEPHROPATHIES.

#### Grant BF

SERUM COMPOSITION OF THE COELACANTH, LATIMERIA CHALUMNAE SMITH. Griffith RW, Umminger BL, Grant BF, Pang PK, Pickford GE *J Exp Zool* 187:87-102, Jan 74 (Eng)

#### Graves DJ

KINETIC STUDIES OF THE INHIBITION OF MUSCLE PHOSPHORYLASE PHOSPHATASE. Martensen TM, Brotherton JE, Graves DJ *J Biol Chem* 248:8323-8, 25 Dec 73 (Eng)

KINETIC STUDIES OF THE ACTIVATION OF MUSCLE PHOSPHORYLASE PHOSPHATASE. Martensen TM, Brotherton JE, Graves DJ *J Biol Chem* 248:8329-36, 25 Dec 73 (Eng)

#### Greenbaum DM

ACCIDENTAL HYPOTHERMIA IN AN ALCOHOLIC POPULATION. Weyman AE, Greenbaum DM, Grace WJ *Am J Med* 56:13-21, Jan 74 (Eng)

#### Greenhouse WV

POSSIBLE REGULATORY INTERACTIONS BETWEEN COMPARTMENTALIZED GLYCOLYTIC SYSTEMS DURING INITIATION OF GLYCOLYSIS IN ASCITES TUMOR CELLS. Coe EL, Greenhouse WV *Biochim Biophys Acta* 329:171-82, 5 Dec 73 (Eng)

THE EFFECT OF POTASSIUM DEPLETION ON THE INITIAL KINETICS OF GLYCOLYSIS IN ASCITES TUMOR CELLS. Greenhouse WV, Coe EL *Biochim Biophys Acta* 329:183-95, 5 Dec 73 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); BIOLOGICAL TRANSPORT; CARCINOMA, EHRICH TUMOR (enzymology, metabolism); FRUCTOSEPHOSPHATES (metabolism); GLUCOSEPHOSPHATES (metabolism); GLYCOLYSIS (drug effects); HEXOKINASE (metabolism); HEXOSEDIPHOSPHATES (metabolism); KINETICS; LACTATE DEHYDROGENASE (metabolism); MATHEMATICS; MICE; ORGANOPHOSPHORUS COMPOUNDS (metabolism); OUABAIN (pharmacodynamics); PHOSPHOFRUCTOKINASE (metabolism); POTASSIUM (pharmacodynamics); TIME FACTORS; VALINOMYCIN (pharmacodynamics).

#### Greider MH

THE HUMAN PANCREATIC ISLET CELLS AND THEIR TUMORS. II. ULCEROGENIC AND DIARRHOEOGENIC TUMORS. Greider MH, Rosai J, McGuigan JE *Cancer* 33:1423-43, May 74 (Eng)

ADULT; AGED; DEHYDRATION (etiology); DIAGNOSIS, DIFFERENTIAL; DIARRHEA (etiology); FLUORESCENT ANTIBODY TECHNIC; GASTRIN (analysis); HYPOKALEMIA (etiology); ISLANDS OF LANGEHANS (pathology); ISLET CELL TUMOR (physiopathology, pathology); MICROSCOPY, ELECTRON; MIDDLE AGE; NEOPLASM METASTASIS; PANCREAS (pathology); PANCREATIC NEOPLASMS (diagnosis, physiopathology, pathology); RADIOIMMUNOASSAY; STAINS AND STAINING; SYNDROME; ZOLLINGER-ELLISON SYNDROME (diagnosis, physiopathology, pathology).

#### Gribetz I

GANGRENE OF THE HAND IN A NEWBORN CHILD. Hoffman S, Valderrama E, Gribetz I, Strauss L *Hand* 6:70-3, Feb 74 (Eng)

#### Griffith RW

SERUM COMPOSITION OF THE COELACANTH, LATIMERIA CHALUMNAE SMITH. Griffith RW, Umminger BL, Grant BF, Pang PK, Pickford GE *J Exp Zool* 187:87-102, Jan 74 (Eng)

AMINO ACIDS (blood); BICARBONATES (blood); BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); CALCIUM (blood); CHLORIDES (blood); CHOLESTEROL (blood); FISHES (metabolism); GLYCOPROTEINS (blood); HYDROGEN-ION CONCENTRATION; LACTATES (blood); MAGNESIUM (blood); METHYLAMINES (blood); NITROGEN OXIDES (blood); OSMOLAR CONCENTRATION; PHOSPHATES (blood); POTASSIUM (blood); SEAWATER; SODIUM (blood); SULFATES (blood); UREA (blood).

#### Griffiths JR

ENZYME CONFORMATION AND CONTROL. Dwek RA, Griffiths JR, Radda GK *Symp Soc Exp Biol* 27:49-63, 1973 (Eng)

#### Grodsky GM

CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS. Gerich JE, Frankel BJ, Fanksa R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

IMMUNOGENICITY OF SINGLE PEAK BEEF-PORK INSULIN IN DIABETIC SUBJECTS. Tantiello JJ, Karam JH, Burrill KC, Jones MA, Grodsky GM, Forsham PH *Diabetes* 23:276-81, Apr 74 (Eng)

#### Gropp J

[UTILIZATION OF ALIMENTARY CARBOHYDRATES IN THE FATTENING CALF. 2. LACTOSE, SACCHAROSE, FRUCTOSE] Gropp J *Z Tierphysiol* 32:144-63, Nov 73 (Ger)

ANIMAL FEED; BLOOD SUGAR (metabolism); CATTLE (metabolism); DIETARY CARBOHYDRATES (metabolism); FRUCTOSE (metabolism); LACTOSE (metabolism); SUCROSE (metabolism).

#### Grose WF

HEPATIC PHOSPHORYLASE DEFICIENCY. ITS DIFFERENTIATION FROM OTHER HEPATIC GLYCOGENOSES. Fernandes J, Koster JF, Grose WF, Sorgedraeger N *Arch Dis Child* 49:186-91, Mar 74 (Eng)

#### Grott JW

[IN MEMORIAM: PROF. JOZEF WACAW GROT (3-5-1894-9-29-1973)] (Grott JW), Dawidowicz A *Pol Arch Med Wewn* 51:333-6, Mar 74 (Pol)

DIABETES MELLITUS (history); HISTORY OF MEDICINE, 20TH CENT.; PARASITOLOGY (history).

**Guarnieri GF**

[PROCEEDINGS: PHYSIOPATHOLOGICAL SIGNIFICANCE AND CLINICAL USE OF URINARY ENZYMES] Bonini PA, Guarnieri GF, De Nadai-Frank A, Ceriotti G *Quad Sclavo Diagn* 9:419-41, Mar 73 (Ita)

**Gulii MF**

[ISOLATION, PURIFICATION AND SOME PROPERTIES OF PHOSPHOFRUCTOKINASE FROM MUSCLES OF PEKING DUCKS] Dzvonekch ND, Deleva VP, Gulii MF, Dvornikova PD *Ukr Biokhim Zh* 45:379-86, Jul-Aug 73 (Ukr)

**Gulii R**

ALANINE TURNOVER IN THE HUMAN: DETERMINATION OF THE SPECIFIC ACTIVITY. Gulii R, Searle GI *Proc Soc Exp Biol Med* 144:830-3, Dec 73 (Eng)

ALANINE (metabolism); CARBON RADIOISOTOPES; CHROMATOGRAPHY, ION EXCHANGE; GLUCOSE (isolation & purification); INDICATORS AND REAGENTS; LACTATES (isolation & purification); METHODS; OXIDATION-REDUCTION.

**Gump FE**

STUDIES OF GLUCOSE INTOLERANCE IN SEPTIC INJURED PATIENTS. Gump FE, Long C, Killian P, Kinney JM *J Trauma* 14:378-88, May 74 (Eng)

ABDOMINAL INJURIES (complications); ADULT; AGED; BLOOD SUGAR (analysis); COLECTOMY (adverse effects); COLONIC NEOPLASMS (surgery); DUODENAL ULCER (surgery); FASTING; GASTRECTOMY (adverse effects); GLUCOSE (metabolism); GLUCOSE TOLERANCE TEST; MALABSORPTION SYNDROMES (metabolism, etiology); MIDDLE AGE; OVARIAN NEOPLASMS (surgery); POSTGASTRECTOMY SYNDROMES (etiology, metabolism); SEPTICEMIA (metabolism, complications); STOMACH NEOPLASMS (surgery); STOMACH ULCER (surgery); SURGICAL WOUND INFECTION (complications); WOUND INFECTION (complications); WOUNDS AND INJURIES (complications); WOUNDS, GUNSHOT.

**Guthrow CE**

SPECIFIC PHOTOAFFINITY LABELING OF THE ADENOSINE 3:5-CYCLOC MONOPHOSPHATE RECEPTOR IN INTACT GHOSTS FROM HUMAN ERYTHROCYTES. Guthrow CE, Rasmussen H, Brunswick DJ, Cooperman BS *Proc Natl Acad Sci USA* 70:3344-6, Dec 73 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism, pharmacodynamics, blood); AZO COMPOUNDS (metabolism, pharmacodynamics); BINDING, COMPETITIVE; ELECTROPHORESIS, POLYACRYLAMIDE GEL; ENZYME ACTIVATION; ERYTHROCYTES (metabolism, analysis); MALONATES (metabolism, pharmacodynamics); PHOTOLYSIS; PROTEIN KINASE (blood); RECEPTORS, DRUG; TRITIUM.

**Guyer KE**

A SIMPLE METHOD TO PREVENT VITAMIN C INTERFERENCE WITH URINARY GLUCOSE DETERMINATIONS. Brandt R, Guyer KE, Banks WL Jr *Clin Chim Acta* 51:103-4, 28 Feb 74 (Eng)

**Haass D**

THE ACTIVE HEXOSE-UTAKE SYSTEM OF CHLORELLA VULGARIS. KM-VALUES FOR 6-DEOXYGLUCOSE INFLUX AND EFFLUX AND THEIR CONTRIBUTION TO SUGAR AC-

CUMULATION. Komor E, Haass D, Komor B, Tanner W *Eur J Biochem* 39:193-200, 1 Nov 73 (Eng)

**Haberfellner H**

[PRADER-WILLI-LABHART-SYNDROME IN INFANCY (AUTHORS TRANSL)] Haberfellner H, Glatz J, Unterkircher R *Paediatr Paedol* 9:123-9, 1974 (Ger)

ADULT; AGAMMAGLOBULINEMIA (blood); AUTOSOME ABNORMALITIES (familial & genetic); CARBOHYDRATE METABOLISM, INBORN ERRORS (blood); CHROMOSOMES, HUMAN, 19-20; GLUCOSE TOLERANCE TEST; IGA (analysis); INFANT; INSULIN (blood); MENTAL RETARDATION (blood); OBESITY (blood); SYNDROME.

**Haibe D**

LACTOSE MALABSORPTION IN ETHIOPIAN CHILDREN. Haibe D, Sterky G, Hjalmarsson B *Acta Paediatr Scand* 62:649-54, Nov 73 (Eng)

ADOLESCENCE; AGE FACTORS; BLOOD SUGAR (metabolism); CHILD; CHILD, PRESCHOOL; INFANT; LACTOSE INTOLERANCE (blood, diagnosis, occurrence); LACTOSE TOLERANCE TEST; MILK (adverse effects).

**Hackett P**

ADENOSINE CYCLIC 3:5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASE FROM RABBIT ERYTHROCYTES. PURIFICATION AND CHARACTERIZATION OF MULTIPLE FORMS. Tao M, Hackett P *J Biol Chem* 248:5324-32, 10 Aug 73 (Eng)

**Hagroo AA**

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnav H *Diabetes* 23:268-75, Apr 74 (Eng)

ACIDOSIS, DIABETIC; ADOLESCENCE; ADULT; BLOOD SUGAR; BODY HEIGHT; BODY WEIGHT; CHILD; CLIMATE; DIABETES MELLITUS (metabolism); EPINEPHRINE (diagnostic use); FATTY ACIDS, NONESTERIFIED (blood); INSULIN (blood); KETONES (blood, urine); LIPID MOBILIZATION; PHENTOLAMINE (diagnostic use); PROPRANOLOL (diagnostic use); TIME FACTORS.

**Hall R**

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

**Hallberg D**

OBSERVATIONS DURING TREATMENT OF ACUTE PANCREATITIS WITH INSULIN AND GLUCOSE INFUSION. Hallberg D, Theve NO *Acta Chir Scand* 140:138-42, 1974 (Eng)

ACUTE DISEASE; ADULT; AGED; ALCOHOLISM (complications); BLOOD SUGAR; CHRONIC DISEASE; DRUG THERAPY, COMBINATION; FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE (administration & dosage, therapeutic use); INFUSIONS, PARENTERAL; INSULIN (administration & dosage, therapeutic use); MIDDLE AGE; PANCREATITIS (etiology, drug therapy); TRIGLYCERIDES (blood).

**Hallenbeck GA**

PROXIMAL GASTRIC VAGOTOMY WITHOUT DRAINAGE: AN EXPERIMENTAL STUDY. Hallenbeck GA, Gleysteen J *Ann Surg* 179:608-17, May 74 (Eng)

BETHANECHOL COMPOUNDS (administration & dosage); DENERVATION; DIGESTION; DOGS; GASTRIC JUICE (secretion); GLUCOSE (metabolism); HISTAMINE (administration & dosage); HYPERTONIC SOLUTIONS; HYPOGLYCEMIA (chemically induced, therapy); INSULIN; LETHAL DOSE 50; PEP SIN (secretion); POSTOPERATIVE COMPLICATIONS (prevention & control); SODIUM CHLORIDE (metabolism); STIMULATION, CHEMICAL; TIME FACTORS; VAGOTOMY.

**Hambidge KM**

CHROMIUM NUTRITION IN MAN. Hambidge KM *Am J Clin Nutr* 27:505-14, May 74 (Eng) [54]

ADULT; AGED; CHILD; CHROMIUM (urine, metabolism); DEFICIENCY DISEASES (complications); DIABETES MELLITUS (etiology); DIABETES MELLITUS, JUVENILE (etiology); GLUCOSE (metabolism); GLUCOSE TOLERANCE TEST; HAIR (metabolism); HYPOGLYCEMIA (etiology); INFANT; INFANT, NEWBORN; METABOLIC DISEASES (etiology); MIDDLE AGE; NUTRITION; NUTRITIONAL REQUIREMENTS; PREGNANCY; PREGNANCY COMPLICATIONS; PROTEIN-CALORIE MALNUTRITION (etiology).

**Hamilton PM**

THE EFFECT OF PREGNANCY ON INTRAUTERINE GLUCOSE TOLERANCE. Fisher PM, Hamilton PM, Sutherland HW, Stowers JM *J Obstet Gynaecol Br Commonw* 81:285-90, Apr 74 (Eng)

**Hammond AH**

COMPLICATIONS OF ARGON LASER PHOTOCOAGULATION. Zweng HC, Little HL, Hammond AH *Trans Am Acad Ophthalmol Otolaryngol* 78:OP195-204, Mar-Apr 74 (Eng)

**Handler JS**

EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM. Omachi RS, Robbie DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)

**Hansen RJ**

KINETIC ANALYSIS OF PARTIALLY PURIFIED GLUCOSE-6-PHOSPHATE DEHYDROGENASES FROM RAT MUSCLE, ADIPOSE TISSUE AND LIVER, AND FROM BAKERS YEAST. Geisler RW, McClure AM, Hansen RJ *Biochim Biophys Acta* 327:1-10, 15 Nov 73 (Eng)

**Hansmann M**

[CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE] Stolp W, Huerfmann B, Mund-Hoym S, Hansmann M *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)

**Hansson LI**

EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

EFFECT OF THYROXINE AND GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 74:24-40, Sep 73 (Eng)

CELL KINETICS OF THE GROWTH PLATE IN HYPOPHYSECTOMIZED RATS TREATED WITH GROWTH HORMONE AND THYROXINE. Thorngren KG, Hansson LI *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73 (Eng)

## Hargest TS

### Hargest TS

A DOSAGE AID FOR PATIENTS WITH IMPAIRED VISION. Wright FA, Vallotton WW, Hargest TS *Trans Am Acad Ophthalmol Otolaryngol* 78:OP237-8, Mar-Apr 74 (Eng)

### Harrer WV

CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID. Patchefsky AS, Gordon G, Harrer WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

### Harrison MH

ADRENERGIC BETA-RECEPTOR BLOCKADE AND METABOLIC RESPONSE TO CENTRIFUGATION STRESS. Harrison MH *J Appl Physiol* 35:793-7, Dec 73 (Eng)

ACCELERATION; BLOOD SUGAR; FATTY ACIDS, NONESTERIFIED (blood); GLYCINE (blood); HEART RATE (drug effects); LACTATES (blood); NOREPINEPHRINE (secretion); OXPRENOLOL (pharmacodynamics); STRESS, PSYCHOLOGICAL.

### Harrower AD

LETTER: MYOCARDIAL INFARCTION AND DIABETES. Harrower AD, Clarke BF *Lancet* 1:749-50, 20 Apr 74 (Eng)

CORONARY CARE UNITS; DIABETES MELLITUS (mortality, complications); DIABETIC ANGIOPATHIES (mortality); MIDDLE AGE; MYOCARDIAL INFARCT (mortality, complications); RETROSPECTIVE STUDIES.

### Hart DM

PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY. Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

### Hart LT

IN VITRO INHIBITION OF LIPOLYSIS BY PYRIMETHAMINE IN BLOOD FROM DUCKS PARASITIZED WITH PLASMODIUM LOPHURAE. Hart LT, Dimopoulos GT, Mandhare KS *Avian Dis* 17:752-7, Oct-Dec 73 (Eng)

ACETATES (blood); CARBON RADIISOTOPES; CHROMATOGRAPHY, THIN LAYER; DUCKS; ERYTHROCYTES (metabolism, microbiology); ESTERS (blood); FATTY ACIDS, NONESTERIFIED (blood); LIPIDS (isolation & purification, blood); MALARIA, AVIAN (microbiology, blood); PHOSPHOLIPIDS (blood); PLASMODIUM (isolation & purification); PYRIMETHAMINE (pharmacodynamics); STEROLS (blood); TRIGLYCERIDES (blood).

### Hartrodt W

THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE. Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)

### Hayes WD

THE EFFECT OF ADRENERGIC BLOCKADE ON EXERCISE-INDUCED HYPERGLUCAGONEMIA. Harvey WD, Faloona GR, Unger RH *Endocrinology* 94:1254-8, May 74 (Eng)

BLOOD SUGAR (metabolism); EXERTION; GLUCAGON (blood); GLUCOSE (pharmacodynamics); INSULIN (blood, pharmacodynamics); PHENTOLAMINE (pharmacodynamics); PROPRANOLOL (pharmacodynamics); RATS.

## Diabetes Literature—Author Index

### Hashimoto T

[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE] Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

### Haspels AA

[DIABETES AND PREGNANCY] Riet HG van, Kal J, Haspels AA *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]

### Hasselbach W

UNSATURATED FATTY ACIDS AS REACTIVATORS OF THE CALCIUM-DEPENDENT ATPASE OF DELIPIDATED SARCOPLASMIC MEMBRANES. The R, Hasselbach W *Eur J Biochem* 39:63-8, 1 Nov 73 (Eng)

### Hasson W

DETERMINATION OF GLUCOSE WITH A RESEARCH MODEL AMINO ROTOCHROM BY THE HEXOKINASE REACTION. Hasson W, Penton JR, Widdowson GM *Clin Chem* 20:15-8, 1974 (Eng)

AUTOANALYSIS; BLOOD SUGAR (analysis); COMPUTERS, DIGITAL; EVALUATION STUDIES; HEXOKINASE; MATHEMATICS; METHODS; SPECTROPHOTOMETRY.

### Havelec L

[A SUGGESTION FOR THE ORDERING OF CLINICAL CHEMICAL LABORATORIES ACCORDING TO THE RELIABILITY OF THEIR ANALYTICAL RESULTS (AUTHORS TRANSL)] Bauer P, Havelec L, Kaiser E, Scheiber V, Wohlzogen FX *Z Klin Chem Klin Biochem* 11:174-5, Apr 73 (Ger)

### Hayashi K

VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCARDITIS VIRUS. Hayashi K, Boucher DW, Notkins AL *Am J Pathol* 75:91-102, Apr 74 (Eng)

ANTIGENS, VIRAL (analysis); BLOOD SUGAR; DIABETES MELLITUS (microbiology, pathology, etiology); ENCEPHALOMYOCARDITIS VIRUSES (isolation & purification); FLUORESCENT ANTIBODY TECHNIC; ISLANDS OF LANGERHANS (microbiology, pathology); MICE; MICE, INBRED C57BL; MICE, INBRED CBA; MICE, INBRED DBA; VIRUS DISEASES (pathology, complications).

### Hayashi M

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION. Kaneto A, Kajunuma H, Hayashi M, Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

### Hayes JR

PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

### Hebold G

[STANDARD VALUES IN WHOLE BLOOD AND SERUM OF RABBITS] Hebold G, Bleuel H *Arzneim Forsch* 23:1079-81, Aug 73 (Ger)

BILIRUBIN (blood); BLOOD; BLOOD CELL COUNT; BLOOD PROTEIN ELECTROPHORESIS; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); BLOOD UREA NITROGEN; BODY TEMPERATURE; BODY WEIGHT; CALCIUM (blood); CHLORIDES (blood); CHOLESTEROL (blood); CREATININE (blood); ERYTHROCYTES (analysis); HEMATOCRIT; HEMOGLOBIN (analysis); IMMUNOELECTROPHORESIS; LEUKOCYTES (analysis); POTASSIUM (blood); RABBITS; SEX FACTORS; SODIUM (blood).

SEX-LINKED BLOOD-GLUCOSE PATTERN IN RATS UNDER VARYING TEST CONDITIONS. Hebold G, Bleuel H *Horm Metab Res* 5:361-8, Sep 73 (Eng)

ADMINISTRATION, ORAL; BLOOD SUGAR (metabolism); DOSE-RESPONSE RELATIONSHIP; DRUG; GLIBENCLAMIDE (administration & dosage, pharmacodynamics); GLUCOSEPHOSPHATE DEHYDROGENASE; HEXOKINASE; INJECTIONS, INTRAVENOUS; RATS; SEX FACTORS; TIME FACTORS.

### Hed R

LETTER: GLUCOSE INTOLERANCE AND PERIPHERAL GLUCOSE UPTAKE IN ACUTELY INTOXICATED ALCOHOLICS. Eriksson CE, Hed R, Lindblad LE, Nygren A, Sundblad L *Lancet* 1:811-2, 27 Apr 74 (Eng)

### Hedayat C

[NATURAL HISTORY OF CORONARY ATHEROSCLEROSIS IN IRANIAN WORKERS] Danesh Pajouh M, Montazami K, Hedayat C, Kamali P, Pirouzmand B *Arch Mal Coeur* 66:1201-10, Sep 73 (Fre)

### Hehre EJ

NEW STUDIES ON AMYLOSUCRASE, A BACTERIAL ALPHA-D-GLUCOSYLASE THAT DIRECTLY CONVERTS SUCROSE TO A GLYCOPEN-LIKE ALPHA-GLUCAN. Okada G, Hehre EJ *J Biol Chem* 249:126-35, 10 Jan 74 (Eng)

### Heim T

[JUVENILE DIABETES MELLITUS AND SELECTIVE IGA DEFICIENCY] Cser A, Ambrus M, Bajtai G, Heim T, Varga F *Orv Hetil* 115:303-6, 7 Apr 74 (Hun)

### Henderson BE

EVALUATION OF CANCER RISK FACTORS IN A RETIREMENT COMMUNITY. Henderson BE, Bogdanoff E, Gerkins VR, SooHoo J, Arthur M *Cancer Res* 34:1045-8, May 74 (Eng)

AGE FACTORS; AGED; BIRTH ORDER; BREAST NEOPLASMS (familial & genetic); COLONIC NEOPLASMS (familial & genetic); DIABETES MELLITUS (complications, familial & genetic); ENVIRONMENT; FAMILY CHARACTERISTICS; HEART DISEASES (complications, familial & genetic); HYPERSENSITIVITY (complications, familial & genetic); NEOPLASMS (occurrence); PARENTS; PROSTATIC NEOPLASMS (complications); QUESTIONNAIRES; RETROSPECTIVE STUDIES; SEX FACTORS; SKIN NEOPLASMS (familial & genetic).

### Hengartner H

ISOLATION AND CHARACTERIZATION OF A THERMOPHILIC GLUCOKINASE FROM BACILLUS STEAROTHERMOPHILUS. Hengartner H, Zuber H *Fests Lett* 37:212-6, 1 Dec 73 (Eng)

AMINO ACID SEQUENCE; AMINO ACIDS (analysis); BACILLUS (drug effects, enzymology); CHROMATOGRAPHY, ION EXCHANGE; DANSYL COMPOUNDS; DRUG STABILITY; ELECTROPHORESIS, DISC; ELECTROPHORESIS, POLYACRYLAMIDE GEL; GEL FILTRATION; GLUCOKINASE (analysis, metabolism, isolation & purification); GLUCOSE (pharmacodynamics); HEAT; KINETICS; MOLECULAR WEIGHT; PROTEIN DENATURATION; SODIUM DODECYL SULFATE; SPECTROPHOTOMETRY, ULTRAVIOLET; UREA.

### Henley JW

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY IN DIABETES MELLITUS. Simpson JJ, Henley JW, Sharpe DN *Nz Med J* 79:645-8, 13 Feb 74 (Eng)

**Herman JB**

THE SMALL BLOOD VESSELS IN CHEMICAL DIABETES. Davis E, Herman JB *Bibl Anat* 11:468-72, 1973 (Eng)

**Hermansen L**

CHANGES IN SERUM PRE-BETA-LIPOPROTEIN FOLLOWING THE FEEDING OF SUCROSE. A PRELIMINARY TRIAL IN PHYSICALLY ACTIVE AND INACTIVE YOUNG MALE STUDENTS. Wille LE, Vellar OD, Hermansen L *J Oslo City Hosp* 23:141-56, Sep 73 (Eng)

**Hess B**

ORGANIZATION OF GLYCOLYSIS: OSCILLATORY AND STATIONARY CONTROL. Hess B *Symp Soc Exp Biol* 27:105-31, 1973 (Eng) [28] ADENOSINE TRIPHOSPHATE; COMPUTERS; FLUORESCENCE; FRUCTOSEPHOSPHATES; GLUCOSEPHOSPHATE ISOMERASE; GLYCOLYSIS; HEXOKINASE; KINETICS; LACTATE DEHYDROGENASE; MODELS, CHEMICAL; NAD; PYRUVATE KINASE; SACCHAROMYCES (enzymology); SACCHAROMYCES CEREVISIAE (enzymology); TIME FACTORS.

**Heydenreich A**

[TREATMENT OF PRERETINAL HAEMORRHAGES BY MEANS OF PHOTOCOAGULATION (AUTHORS TRANSL)] Heydenreich A *Klin Monatsbl Augenheilkd* 163:671-6, Dec 73 (Ger)

AGED; ARTERIOSCLEROSIS (complications); CHORIORETINITIS (complications); DIABETIC RETINOPATHY (complications); EYE INJURIES (complications); HEMATOLOGIC DISEASES (complications); HYPERTENSION (complications); LIGHT COAGULATION; METHODS; MIDDLE AGE; RETINAL HEMORRHAGE (etiology, surgery).

**Higashino H**

CHANGES IN ADENOSINE 3,5-MONOPHOSPHATE LEVEL AND PROTEIN KINASE ACTIVITY BY GLUCAGON IN RAT LIVER NUCLEI. Higashino H, Takeda M *J Biochem (Tokyo)* 75:189-91, Jan 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); CELL NUCLEUS (enzymology); CHROMATOGRAPHY; CYTOSOL (enzymology); GLUCAGON (pharmacodynamics); LIVER (enzymology); PROTEIN KINASE (metabolism); RATS.

**Higgins SJ**

NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS. Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

AUTORADIOGRAPHY; CELL-FREE SYSTEM; CELL LINE; CELL NUCLEUS (metabolism); CENTRIFUGATION; DENSITY GRADIENT; CYTOSOL (metabolism); DEXAMETHASONE (metabolism); ESTRADIOL (metabolism); HEPATOMA; RATS; RECEPTORS, HORMONE; SUBCELLULAR FRACTIONS (metabolism); TRITIUM; UTERUS.

**Hill DG**

LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY. Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)

ADULT; AORTOCORONARY BYPASS; BLOOD SUGAR (analysis); EXTRACORPOREAL CIRCULATION; HEART SURGERY; HEART VALVE DISEASES (surgery); INJECTIONS, INTRAVENOUS; INSULIN (secretion, blood); ISOPROTERENOL (administration & dosage, pharmacodynamics); MIDDLE AGE; POTASSIUM (blood); SECRETORY RATE (drug effects); SOMATOTROPIN (blood).

**Hill HR**

IMPAIRED LEUKOTACTIC RESPONSIVENESS IN PATIENTS WITH JUVENILE DIABETES MELLITUS. Hill HR, Sauls HS, Dettloff JL, Quie PG *Clin Immunol Immunopathol* 2:395-403, Apr 74 (Eng)

ADOLESCENCE; ADULT; CHEMOTAXIS; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (immunology); INSULIN (pharmacodynamics); NEUTROPHILS (drug effects, immunology).

**Hillman RW**

SENSIBLE EATING FOR OLDER DIABETICS. Hillman RW *Geriatrics* 29:123-6 PASSIM, May 74 (Eng)

AGE FACTORS; AGED; DIABETES MELLITUS (therapy); DIABETIC DIET; DIETARY CARBOHYDRATES; DIETARY FATS; DIETARY PROTEINS; EXERTION; FOOD PREFERENCES; MIDDLE AGE; MINERALS; PERIODICITY; SOCIOECONOMIC FACTORS; TIME FACTORS; VITAMINS.

**Hinds JA**

ON THE SPECIFICITY AND PH DEPENDENCE OF FICIN-CATALYZED HYDROLYSES. SOME COMPARISONS WITH BROMELAIN SPECIFICITY. Kortt AA, Hinds JA, Zerner B *Biochemistry* 13:2029-37, 7 May 74 (Eng)

**Hiromi K**

KINETIC STUDIES ON GLUCOAMYLASE. VI. INHIBITION OF SUBSTRATE ANALOGUES. Hiromi K, Kawai M, Suetsugu N, Nitta Y, Hosotani T *J Biochem (Tokyo)* 74:935-43, Nov 73 (Eng)

BINDING, COMPETITIVE; GLUCOSE; GLUCOSIDASE (antagonists & inhibitors); GLYCOSIDES; HYDROGEN-ION CONCENTRATION; KINETICS; MALTOSE; STRUCTURE-ACTIVITY RELATIONSHIP; TEMPERATURE.

**Hitzenberger G**

[THE SECONDARY DISEASE IN INTERNAL MEDICINE (ANTIBACTERIAL CHEMOTHERAPY)] Hitzenberger G *Int J Clin Pharmacol* 8:282-91, Dec 73 (Ger)

ALDOSTERONE (antagonists & inhibitors, blood); ANTIDIABETICS (adverse effects); ANTI-INFECTION AGENTS (adverse effects); CHRONIC DISEASE; DIABETES MELLITUS (chemically induced, complications); HYPERTENSION (chemically induced); KIDNEY (physiopathology); POTASSIUM (metabolism); PYELONEPHRITIS (complications); URICOSURIC AGENTS (adverse effects).

**Hjalmarsson B**

LACTOSE MALABSORPTION IN ETHIOPIAN CHILDREN. Habte D, Sterky G, Hjalmarsson B *Acta Paediatr Scand* 62:649-54, Nov 73 (Eng)

**Hoch WS**

CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID. Patchefsky AS, Gordon G, Harrer WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

**Hockaday TD**

SKIN COLLAGEN IN DIABETES MELLITUS IN RELATION TO TREATMENT. Francis MJ, Ellis JP, Hockaday TD *Proc R Soc Med* 67:35-6, Jan 74 (Eng)

WERNERS SYNDROME; METABOLIC OBSERVATIONS, Alberti KG, Young JD, Hockaday TD *Proc R Soc Med* 67:36-8, Jan 74 (Eng)

**Hockwin O**

PROCEEDINGS: GLYCOGEN METABOLISM IN BOVINE LENSES. Ohrloff C, Hockwin O, Holstege A *Exp Eye Res* 17:401, 25 Nov 73 (Eng)

**Hoffman S**

GANGRENE OF THE HAND IN A NEWBORN CHILD. Hoffman S, Valderrama E, Gribetz I, Strauss L *Hand* 6:70-3, Feb 74 (Eng)

ARTERIES; AUTOPSY; DEBRIDEMENT; FOREARM (blood supply); GANGRENE (etiology, pathology, therapy, surgery); HAND (blood supply); HYPERBARIC OXYGENATION; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (pathology, therapy, surgery); PREGNANCY; PREGNANCY IN DIABETES (complications); PULMONARY EMBOLISM (complications); VEINS.

**Holstege A**

PROCEEDINGS: GLYCOGEN METABOLISM IN BOVINE LENSES. Ohrloff C, Hockwin O, Holstege A *Exp Eye Res* 17:401, 25 Nov 73 (Eng)

**Hopker W**

[LETTER: SITUATION OF THE DIABETIC CHILD AND ADOLESCENT IN WESTERN GERMANY] Hopker W *Dtsch Med Wochenschr* 99:371-2, Feb 74 (Ger)

ADOLESCENCE; CHILD; DIABETES MELLITUS, JUVENILE (rehabilitation); SCHOOL HEALTH; SOCIAL CONDITIONS.

**Horakova Z**

EFFECTS OF ADRENERGIC AGENTS, THEOPHYLLINE AND OTHER DRUGS ON DEXTRAN EDEMA AND HISTAMINE RELEASE IN RATS. Baxter JH, Beaven MA, Horakova Z *Biochem Pharmacol* 23:1211-7, 1 Apr 74 (Eng)

**Horn GW**

ROLE OF ADIPOSE TISSUE LIPOLYSIS IN POSTNATAL AMELIORATION OF THERMOGENESIS IN DOMESTIC AND WILD PIGLETS. Horn GW, Foley CW, Seerley RD, Munnell JF *J Anim Sci* 37:1356-61, Dec 73 (Eng)

ADIPOSE TISSUE (cytology, drug effects, enzymology); ANIMALS, NEWBORN (metabolism); BODY TEMPERATURE REGULATION; BODY WEIGHT; EDTA (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (blood); FLUORIDES (pharmacodynamics); GLYCERIN (blood); HYDROGEN-ION CONCENTRATION; LIPASE (antagonists & inhibitors, isolation & purification, metabolism); MICROSCOPY, ELECTRON; NOREPINEPHRINE (pharmacodynamics); SODIUM (pharmacodynamics); STIMULATION, CHEMICAL; SWINE (metabolism, physiology).

**Horvath E**

ONCOCYTES IN THE ANTERIOR LOBE OF THE HUMAN PITUITARY GLAND. A LIGHT AND ELECTRON MICROSCOPIC STUDY. Kovacs K, Horvath E, Bilbao JM *Acta Neuropathol (Berl)* 27:43-53, 7 Feb 74 (Eng)

**Hoshi T**

EFFECTS OF MUCOSAL HYPEROSMOLARITY ON ACTIVE SUGAR TRANSPORT AND THE SUGAR-EVOKED POTENTIAL IN ISOLATED SMALL INTESTINE OF THE TOAD. Saito Y, Hoshi T *Jap J Physiol* 23:419-34, Aug 73 (Eng)

**Hosick HL**

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

ALDOSTERONE (pharmacodynamics); CELL DIFFERENTIATION (drug effects); CELLS, CULTURED (drug effects); CORTICOSTERONE (pharmacodynamics); CULTURE MEDIA; DESOXYCORTICOSTERONE (pharmacodynamics); DEXAMETHASONE (pharmacodynamics); ESTROGENS (pharmacodynamics); HORMONES (pharmacodynamics); HYDROCORTISONE

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### Hoskins HD Jr

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### Hoskins HD Jr

NEOVASCULAR GLAUCOMA: CURRENT CONCEPTS. Hoskins HD Jr *Trans Am Acad Ophthalmol Otolaryngol* 78:OP330-3, Mar-Apr 74 (Eng)  
ANTERIOR CHAMBER (blood supply); BLOOD VESSELS (pathology); DIABETIC RETINOPATHY (complications); GLAUCOMA (pathology, etiology); HEMORRHAGE (complications); INTRAOCULAR PRESSURE; IRIS (blood supply); IRITIS (complications); RETINAL VEIN; THROMBOSIS (complications).

### Hosotani T

KINETIC STUDIES ON GLUCOAMYLASE. VI. INHIBITION OF SUBSTRATE ANALOGUES. Hiromi K, Kawai M, Suetugu N, Nitta Y, Hosotani T *J Biochem (Tokyo)* 74:935-43, Nov 73 (Eng)

### Howard CF Jr

CORRELATIONS OF SERUM TRIGLYCERIDE AND PREBETALIPOPROTEIN LEVELS TO THE SEVERITY OF SPONTANEOUS DIABETES IN MACACA NIGRA. Howard CF Jr *J Clin Endocrinol Metab* 38:856-60, May 74 (Eng)

ANTIGENS (analysis); BLOOD PROTEIN ELECTROPHORESIS; BLOOD SUGAR (metabolism); DIABETES MELLITUS (blood); FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; INSULIN (blood); LIPOPROTEINS, VLDL (blood); MACACA; MONKEYS; TRIGLYCERIDES (blood).

### Howse PM

PROCEEDINGS: GROWTH HORMONE SECRETION DURING SLEEP IN SHORT CHILDREN: A CONTINUOUS SAMPLING STUDY. Howse PM, Rayner PH, Williams JW, Rudd BT *Arch Dis Child* 49:246, Mar 74 (Eng)

AGE FACTORS; BODY HEIGHT; CHILD; GROWTH; HYPOGLYCEMIA (chemically induced); INSULIN (pharmacodynamics); MONITORING SYSTEMS; SLEEP; SOMATOTROPIN (secretion).

### Hradsky M

THE USE OF GLUCAGON DURING UPPER GASTROINTESTINAL ENDOSCOPY. Hradsky M, Stockbrugger R, Dotevall G, Ostberg H *Gastrointest Endosc* 20:162, May 74 (Eng)

GASTROINTESTINAL MOTILITY (drug effects); GASTROSCOPY; GLUCAGON (pharmacodynamics); INJECTIONS, INTRAVENOUS.

### Hsu CY

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### Hsu RY

REDUCTION OF ALPHA-OXO CARBOXYLIC ACIDS BY PIGEON LIVER MALIC ENZYME. Tang CL, Hsu RY *Biochem J* 135:287-91, Oct 73 (Eng)

### Hsueh HW

SERUM AND INSULIN INITIATION OF DNA SYNTHESIS IN MAMMARY GLAND

EPITHELIUM IN VITRO. Hsueh HW, Stockdale FE *J Cell Physiol* 83:297-308, Apr 74 (Eng)

BIOLOGICAL TRANSPORT; BLOOD; CATTLE; DNA (biosynthesis); EPITHELIAL CELLS (metabolism); EPITHELIUM (growth & development); INSULIN (pharmacodynamics); MAMMAE (metabolism, growth & development); MICE; MICE, INBRED C3H; MOLECULAR WEIGHT; ORGAN CULTURE; RABBITS; RATS; THYMIDINE (metabolism); TRITIUM.

### Huang CH

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### Hubbell WL

LATERAL PHASE SEPARATIONS IN MEMBRANES. Shimshick EJ, Kleemann W, Hubbell WL, McConnell HM *J Supramol Struct* 1:285-94, 1973 (Eng)

### Hunermann B

[CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE] Stolp W, Hunermann B, Mund-Hoym S, Hansmann M *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)

### Husemann B

[MALABSORPTION CAUSED BY JEJUNOILEOSTOMY AS SURGICAL THERAPY OF EXTREME ADIPOSITAS] Husemann B *Chirurg* 45:13-6, Jan 74 (Ger)

BODY WEIGHT; CARBOHYDRATES (metabolism); GASTRECTOMY; GASTROENTEROSTOMY; GLUCOSE TOLERANCE TEST; ILEOSTOMY (adverse effects); JEJUNUM (surgery); LIPIDS (metabolism); MALABSORPTION SYNDROMES (metabolism, etiology); METHODS; OBESITY (metabolism, surgery); POSTOPERATIVE COMPLICATIONS; PROTEINS (metabolism); VITAMINS (metabolism).

### Hutton WC

FORCE DISTRIBUTIONS UNDER THE FOOT--A DYNAMIC MEASURING SYSTEM. Stokes IA, Stott JR, Hutton WC *Biomed Eng* 9:140-3, Apr 74 (Eng)

### Hylemon PB

TRANSPORT AND CATABOLISM OF D-FRUCTOSE BY SPIRILLUM INTERMEDIUM. Hylemon PB, Krieg NR, Phibbs PV Jr *J Bacteriol* 117:144-50, Jan 74 (Eng)

ALCOHOL OXIDOREDUCTASES (metabolism); ALDEHYDE-LYASES (metabolism); CARBON RADIOISOTOPES; CELL-FREE SYSTEM; CHLOROMERCURIBENZOATES (pharmacodynamics); CULTURE MEDIA; CYANIDES (pharmacodynamics); ENZYME INDUCTION; FRUCTOSE (metabolism); FRUCTOSE-DIPHOSPHATE ALDOLASE (metabolism); GLUCOKINASE (metabolism); GLUCOSE (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); GLUCOSEPHOSPHATE ISOMERASE (metabolism); HYDRO-LYASES (metabolism); LITHIUM (pharmacodynamics); NITRATES (pharmacodynamics); PHOSPHOGLUCONATE DEHYDROGENASE (metabolism); SODIUM (pharmacodynamics); SPECTROPHOTOMETRY; SPIRILLUM (enzymology, growth & development, metabolism); STEREOISOMERS; SUCCINATES (metabolism).

### Hyttén FE

THE RENAL EXCRETION OF NUTRIENTS IN PREGNANCY. Hyttén FE *Postgrad Med J* 49:625-9, Sep 73 (Eng)

AMINO ACIDS (urine); FOLIC ACID (urine); GLYCOSURIA; PREGNANCY; TIME FACTORS; VITAMINS (urine).

### Ialysheva NI

[INFLAMMATORY DISEASES OF THE URINARY ORGANS IN PATIENTS WITH DIABETES MELLITUS] Spesivtseva VG, Mamaeva GG, Baranchikova NA, Ialysheva NI *Sov Med* 36:103-7, Oct 73 (Rus)

### Ibbertson HK

SYNDROME OF HYPERNATREMIA, HYPODIPSIDIA AND PARTIAL DIABETES INSIPIDUS: A NEW INTERPRETATION. Sridhar CB, Calvert GD, Ibbertson HK *J Clin Endocrinol Metab* 38:890-901, May 74 (Eng)

### Iliukhin VI

[THE RELATIONSHIP BETWEEN THYROID HORMONES AND THE INDUCTION OF TRYPTOPHAN OXYGENASE BY INSULIN] Stroeve EA, Iliukhin VI *Probl Endokrinol (Mosk)* 19:82-4, Jul-Aug 73 (Rus)

### Imanaga I

PROCEEDINGS: 157. MODE OF INSULIN ACTION ON THE CELL: SEPARATIVE EFFECT OF INSULIN ON POTASSIUM AND GLUCOSE TRANSFER OF MYOCARDIUM. Imanaga I *J Physiol Soc Jap* 35:448, Aug-Sep 73 (Eng)  
BIOLOGICAL TRANSPORT (drug effects); CATTLE; GLUCOSE (metabolism); HEART (drug effects); INSULIN (pharmacodynamics); MYOCARDIUM (metabolism); POTASSIUM (metabolism).

### Indzhov B

[STATE OF THE PERIODONTIUM IN PATIENTS WITH LATENT DIABETES] Atahacoba E, Dobrev DI, Indzhov B *Stomatologia (Sofia)* 55:276-80, Jul-Aug 73 (Bul)

### Ingleton PM

PROCEEDINGS: FACTORS AFFECTING THE RELEASE AND SYNTHESIS OF TELEOST PITUITARY POLYPEPTIDE HORMONES. Baker BI, Ingleton PM *J Endocrinol* 59:XL, Nov 73 (Eng)

### Innami S

URINARY AND FECAL EXCRETION AND INCORPORATION OF 14C-ESTRADIOL IN FAT DEPOSITS OF OBESE AND LEAN RATS. Innami S, Yang MG, Mickelsen O *Proc Soc Exp Biol Med* 144:220-4, 1 Oct 73 (Eng)

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### Inoue H

[GROWTH HORMONE AND ENZYMES] Takeda Y, Inoue H *Clin Endocrinol (Tokyo)* 21:781-8, Aug 73 (Jap) [55]

### Inozheva B

[ACTIVITY OF SOME ENZYMES IN THE GINGIVA OF DOGS WITH ALLOXAN DIABETES] Inozheva B, Anserov EM *Stomatologia (Sofia)* 55:7-11, Jan-Feb 73 (Bul)  
ALLOXAN DIABETES (complications); DOGS; GINGIVAL DISEASES (etiology); ORAL MANIFESTATIONS.

### Insel PA

A MODEL OF THE KINETICS OF INSULIN IN MAN. Sherwin RS, Kramer KJ, Tobin JD, Insel PA, Liljenquist JE, Berman M, Andres R *J Clin Invest* 53:1481-92, May 74 (Eng)

**Ionasescu V**

**HYPOKALEMIC PERIODIC PARALYSIS. LOW ACTIVITY OF SARCOPLASMIC RETICULUM AND MUSCLE RIBOSOMES DURING AN INDUCED ATTACK.** Ionasescu V, Schochet SS Jr, Powers JM, Koob K, Conway TW *J Neurol Sci* 21:419-29, Apr 74 (Eng)

ADENOSINE TRIPHOSPHATASE (metabolism); ADOLESCENCE; AMINO ACIDS (metabolism); CALCIUM (metabolism); CALCIUM RADIOISOTOPES; CENTRIFUGATION, DENSITY GRADIENT; GLUCOSE; HYPOKALEMIA (blood, chemically induced, metabolism); INSULIN; MICROSOMES (metabolism); MUSCLE PROTEINS (biosynthesis); MUSCLES (enzymology, metabolism); PARALYSIS, FAMILIAL PERIODIC (blood, chemically induced, metabolism); POTASSIUM (blood); RIBOSOMES (metabolism); SARCOPLASMIC PECTICULUM (metabolism); SODIUM (blood).

**Ishii S**

**3-DIAZOQUINOLINE TETRAFLUOROBORATE AS A REAGENT FOR SPECIFIC MODIFICATION OF LYSYL RESIDUES: UNIQUE STRUCTURE OF THE REACTION PRODUCT.** Kanazawa M, Ishii S *Biochim Biophys Acta* 342:155-9, 14 Mar 74 (Eng)

**Islam MR**

**VARIATIONS IN THE LEVEL OF HUMAN SERUM ALBUMIN DURING GLUCOSE TOLERANCE TEST.** Awdch ZL, Islam MR, Samra SA *Biochem Biophys Res Commun* 56:358-62, 23 Jan 74 (Eng)

**Ismangun**

**LACTOSE TOLERANCE TEST ON INDONESIAN NEWBORN INFANTS.** Surjono A, Surjantoro, Sadjimin T, Ismangun *Paediatr Indones* 13:11-6, Jan 73 (Eng)

**Ito T**

**RESERPINE-INDUCED GLYCOGEN ACCUMULATION IN THE EPITHELIAL CELLS OF THE MOUSE CHOROID PLEXUS.** Suzuki Y, Ito T *Brain Res* 70:113-22, 12 Apr 74 (Eng)

**Iushchuk ND**

**[DISORDER OF THE ABSORPTIVE FUNCTION OF THE SMALL INTESTINE AND OF PARIETAL DIGESTION IN ACUTE DYSENTERY]** Iushchuk ND *Sov Med* 36:27-30, May 73 (Rus)

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ACETYLCHOLINESTERASE (metabolism); ACETYLTRANSFERASES (metabolism); ADRENAL GLANDS (metabolism); BLOOD SUGAR (metabolism); CEREBRAL CORTEX (enzymology); CHOLINE; DISCRIMINATION LEARNING; EPINEPHRINE (metabolism); FOOD DEPRIVATION; FRONTAL LOBE (enzymology); HIPPOCAMPUS (enzymology); PHYSOSTIGMINE (pharmacodynamics); RATS.

**Jackson RL**

**LETTER: GROWTH IN DIABETIC CHILDREN.** Murthy DY, Jackson RL *Lancet* 1:736-7, 20 Apr 74 (Eng)

**Jackson WP**

**GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES.** Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

**PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS.** Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

**Jacobelli S**

**DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION.** McCarty DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)

**Jacobs RA**

**THE REGULATION OF FATTY ACID SYNTHESIS IN HUMAN SKIN FIBROBLASTS. INHIBITION OF FATTY ACID SYNTHESIS BY FREE FATTY ACIDS.** Jacobs RA, Majerus PW *J Biol Chem* 248:8392-401, 25 Dec 73 (Eng)

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**Jaffe BM**

**EFFECT OF SELECTIVE AND PROXIMAL GASTRIC VAGOTOMY ON SERUM GASTRIN.** Jaffe BM, Clendinnen BG, Clarke RJ, Williams JA *Gastroenterology* 66:944-53, May 74 (Eng)

ADULT; AGED; DUODENAL ULCER (surgery); GASTRECTOMY; GASTRIC ACIDITY DETERMINATION; GASTRIC JUICE (secretion); GASTRIN (blood); INJECTIONS, INTRAVENOUS; INSULIN (pharmacodynamics); MIDDLE AGE; PROTEINS (metabolism); PYLORUS (surgery); RADIOIMMUNOASSAY; SECRETORY RATE; TIME FACTORS; VAGOTOMY.

**Jahrling PB**

**PANCREATIC INVOLVEMENT BY VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS IN THE HAMSTER.** Gorenkin L, Jahrling PB *Am J Pathol* 75:349-62, May 74 (Eng)

**Jacques C**

**[MEDULLARY CARCINOMA OF THE THYROID GLAND. MORPHOLOGY, FREQUENCY, AND CLINICAL ASPECTS]** Jacques C *Schweiz Med Wochenschr* 104:565-70, 20 Apr 74 (Fre)

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**Jarema M**

**[PREVENTION OF CEREBRAL STROKES]** Jarema M *Neurol Neurochir Pol* 8:221-4, Mar-Apr 74 (Pol) [20]

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**Jarett L**

**MODE OF ACTION OF N6-O2-DIBUTYRYL CYCLIC 3,5 AMP ON FAT CELL METABOLISM.** Jarett L, Smith RM *Diabetes* 23:29-40, Jan 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE; ADIPOSE TISSUE (cytology, enzymology, metabolism, drug effects); BINDING, COMPETITIVE; CARBON RADIOISOTOPES; CHROMATOGRAPHY, PAPER; DIBUTYRYL CYCLIC AMP (pharmacodynamics); EPIDIDYMIS; LIPID MOBILIZATION; PHOSPHODIESTERASES (metabolism); RATS.

**Jensen EH**

**LIPID CONCENTRATION IN CRYOPRECIPITATED PLASMA USED AS PERFUSION FLUID FOR KIDNEY PRESERVATION.** Brons M, Jensen EH *Scand J Urol Nephrol* 8:27-30, 1974 (Eng)

**Jensen IM**

**DIABETES AND RENAL TRANSPLANTATION. A HYPOTHESIS.** Kemp E, Kjaergaard E, Jensen IM, Svendsen EV *Scand J Urol Nephrol* 8:50-3, 1974 (Eng)

**Jesse MJ**

**ATHEROSCLEROSIS: A PEDIATRIC PROBLEM** Blumenthal S, Jesse MJ *Cardiovasc Clin* 4:11-6, 1972 (Eng) [19]

**Jeziorska J**

**[MYOCARDIAL INFARCT IN WOMEN]** Adamsko-Dyniewska H, Jeziorska J *Wiad Lek* 27:689-93, Apr 74 (Pol)

**Johansen K**

**THE FORMATION OF HL-A ANTIBODIES IN PREGNANCY. THE ANTIGENICITY OF ABORTED AND TERM FETUSES.** Burke J, Johansen K *J Obstet Gynaecol Br Commonw* 81:222-8, Mar 74 (Eng)

**Johansson C**

**STUDIES OF GASTROINTESTINAL INTERACTIONS. V. GASTRIC SECRETION AND DUODENAL REFLUX IN MAN AFTER A COMPOSITE MEAL. THE INFLUENCE OF GLUCOSE ON GASTRIC SECRETION, EMPLOYING AND GASTRIC VOLUME.** Lagerlof HO, Johansson C, Ekelund K *Scand J Gastroenterol* 8:735-42, 1973 (Eng)

**John TM**

**INFLUENCE OF EXOGENOUS GROWTH HORMONE AND ITS ANTISERUM ON PLASMA FREE FATTY ACID LEVEL IN THE PIGEON.** John TM, McKeown BA, George JC *Comp Biochem Physiol [A]* 46:497-504, 1 Nov 73 (Eng)

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**Johnson EJ**

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# Diabetes Literature—Author Index

## Johnson LN

TOSE-1,6-DIPHOSPHATASE. Johnson EJ, MacElroy RD *Arch Mikrobiol* 93:23-8, 4 Oct 73 (Eng)  
ADENOSINE MONOPHOSPHATE; CHROMATOGRAPHY, ION EXCHANGE; COENZYME A; DIPHOSPHOGLYCERIC ACIDS; EDTA; HEXOSEDIPHOSPHATASE (isolation & purification); HOMOCYSTINE; HYDROGEN-ION CONCENTRATION; HYDROXYMERCURIBENZOATES; PHOSPHOENOLPYRUVATE; PYRUVATES; SPECTROPHOTOMETRY; THIOBACILLUS (enzymology); UREA.

## Johnson LN

X-RAY ANALYSIS OF CONTROL ENZYMES. Johnson LN *Symp Soc Exp Biol* 27:5-20, 1973 (Eng) [31]  
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## Johnson WJ

DIABETIC NEPHROPATHY AND RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ *Min Med* 57:356-60, May 74 (Eng)

## Jones AL

REDUCTION OF PLASMA CHOLESTEROL LEVELS IN MALE RETIRED BREEDER RATS BY AN ANABOLIC STEROID, OXANDROLONE. Mills ES, Kriz BM, Jones AL *Proc Soc Exp Biol Med* 144:861-3, Dec 73 (Eng)

CONCOMITANT EFFECTS OF INSULIN ON SURFACE MEMBRANE CONFORMATION AND POLYSOME PROFILES OF SERUM-STARVED BALB-C 3T3 FIBROBLASTS. Evans RB, Morhenn V, Jones AL, Tomkins GM *J Cell Biol* 61:95-106, Apr 74 (Eng)

## Jones MA

IMMUNOGENICITY OF SINGLE PEAK BEEF-PORK INSULIN IN DIABETIC SUBJECTS. Tantillo JJ, Karam JH, Burrill KC, Jones MA, Grodsky GM, Forsham PH *Diabetes* 23:276-81, Apr 74 (Eng)

## Joosten HF

ROLE OF THE THYROID IN THE DEVELOPMENT OF THE OBESE-HYPERGLYCEMIC SYNDROME IN MICE (OBOB). Joosten HF, Kroon PH van der *Metabolism* 23:425-36, May 74 (Eng)

BLOOD PROTEINS (metabolism); BODY TEMPERATURE REGULATION; CIRCADIAN RHYTHM; DIET; ENZYME INDUCTION (drug effects); GLYCEROLPHOSPHATE DEHYDROGENASE (metabolism); HYPERGLYCEMIA (familial & genetic, physiopathology); IODINE (blood); MICE; MICE, INBRED STRAINS; MITOCHONDRIA, LIVER (enzymology); OBESITY (familial & genetic, physiopathology); PROTEIN BINDING; PROTEIN-BOUND IODINE TEST; RODENT DISEASES (familial & genetic, physiopathology); THYROID GLAND (physiopathology); THYROXINE (blood, pharmacodynamics).

## Juhász P

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhász P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP *Diabetes* 23:302-5, Apr 74 (Eng)

ABNORMALITIES (occurrence); ACIDOSIS, DIABETIC (complications); AGE FACTORS; CARDIOVASCULAR DISEASES (complications); DIABETES MELLITUS (classification, therapy); FETAL DEATH (occurrence); INFANT MORTALITY; INFANT, NEWBORN; PREGNANCY; PREGNANCY IN DIABETES; PREGNANCY TOXEMIAS (complications); PYELONEPHRITIS (complications); TIME FACTORS.

## Jurga-Wanick K

[DEATHS CAUSED BY CHRONIC PYELONEPHRITIS AND KIMMELSTIEL-WILSON SYNDROME AMONG DIABETICS] Torzecka W, Mrosczyk M, Jurga-Wanick K *WHO Tech Rep Ser* 27:405-9, 1 Mar 74 (Pol)

## Kaback HR

VINYLGLYCOLIC ACID, AN INACTIVATOR OF THE PHOSPHOENOLPYRUVATE-PHOSPHATE TRANSFERASE SYSTEM IN *ESCHERICHIA COLI*. Walsh CT, Kaback HR *J Biol Chem* 248:5456-62, 10 Aug 73 (Eng)

## Kabat D

EFFECT OF CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ON RIBOSOMAL PROTEIN PHOSPHORYLATION IN RETICULOCYTES. Cawthon ML, Bitte LF, Krystosek A, Kabat D *J Biol Chem* 249:275-8, 10 Jan 74 (Eng)

## Kahn CB

SEXUAL DYSFUNCTION IN DIABETIC MEN. Kolodny RC, Kahn CB, Goldstein HH, Barnett DM *Diabetes* 23:306-9, Apr 74 (Eng)

## Kahn CR

HYPOGLYCEMIA IN ASSOCIATION WITH EXTRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA NSILA-S BY A NEW RADIORECEPTOR ASSAY. Megyesi K, Kahn CR, Roth J, Gordon P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)

## Kahn O

MORTALITY OF DIABETIC PATIENTS TREATED SURGICALLY FOR LOWER LIMB INFECTION AND OR GANGRENE. Kahn O, Wagner W, Bessman AN *Diabetes* 23:287-92, Apr 74 (Eng)

ADULT; AGED; AMPUTATION (mortality); BACTERIAL INFECTIONS (etiology); BACTERIOIDES INFECTIONS (etiology); CARDIOVASCULAR DISEASES (complications); CEREBROVASCULAR DISORDERS (complications); CLOSTRIDIUM INFECTIONS (etiology); DIABETES MELLITUS (complications); ENTEROBACTERIACEAE INFECTIONS (etiology); *ESCHERICHIA COLI* INFECTIONS (etiology); EYE DISEASES (complications); GANGRENE (surgery, etiology); ISCHEMIA (etiology); KIDNEY DISEASES (etiology); KLEBSIELLA INFECTIONS (etiology); LEG (surgery); LEG ULCER (surgery); MIDDLE AGE; OSTEO-MYELITIS; PROTEUS INFECTIONS (etiology); PSEUDOMONAS INFECTIONS (etiology); STAPHYLOCOCCAL INFECTIONS (etiology); STREPTOCOCCAL INFECTIONS (etiology); TIME FACTORS.

## Kaiser E

[A SUGGESTION FOR THE ORDERING OF CLINICAL CHEMICAL LABORATORIES ACCORDING TO THE RELIABILITY OF THEIR ANALYTICAL RESULTS (AUTHORS TRANSL)] Bauer P, Havelec L, Kaiser E, Scheiber V, Wohlzogen FX *Z Klin Chem Klin Biochem* 11:174-5, Apr 73 (Ger)

## Kajunuma H

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION. Kaneto A, Kajunuma H, Hayashi M,

Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

## Kal J

[DIABETES AND PREGNANCY] Riet HG van, Kal J, Haspels AA *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]

## Kalk WJ

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

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PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

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## Kamali P

[NATURAL HISTORY OF CORONARY ATHEROSCLEROSIS IN IRANIAN WORKERS] Daneche Pajouh M, Montazami K, Hedayat C, Kamali P, Pirouzmande B *Arch Mal Coeur* 66:1201-10, Sep 73 (Fre)

## Kanazawa M

3-DIAZOQUINOLINE TETRAFLUOROBORATE AS A REAGENT FOR SPECIFIC MODIFICATION OF LYSYL RESIDUES: UNIQUE STRUCTURE OF THE REACTION PRODUCT. Kanazawa M, Ishii S *Biochim Biophys Acta* 342:155-9, 14 Mar 74 (Eng)

AZO COMPOUNDS; BORATES; EVALUATION STUDIES; FLUORINE; HISTIDINE; INDICATORS AND REAGENTS; INSULIN; LYSINE (analysis); METHODS; MURAMIDASE; NUCLEAR MAGNETIC RESONANCE; PROTEIN CONFORMATION; PROTEINS; QUINOLINES; SPECTROPHOTOMETRY, ULTRAVIOLET; SPECTRUM ANALYSIS, MASS; TRIAZOLES; TRYPSIN; TYROSINE.

## Kaneto A

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION. Kaneto A, Kajunuma H, Hayashi M, Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

BLOOD SUGAR (analysis); DOGS; ELECTRIC STIMULATION; FEMORAL ARTERY; GLUCAGON (secretion); INSULIN (secretion); PANCREAS (blood supply); PHENTOLAMINE (pharmacodynamics); PROPRANOLOL (pharmacodynamics); SPLANCHNIC NERVES (physiology); VEINS.

**Kannel WB**

CURRENT STATUS OF CORONARY PREVENTION. LESSONS FROM THE FRAMINGHAM STUDY. Dawber TR, Kannel WB *Prev Med* 1:499-512, Dec 72 (Eng)

**Kaplan HR**

ANTIARRHYTHMIC AND GENERAL CARDIOVASCULAR ACTIVITY OF THE N,N-DIMETHYLQUATERNARY AMMONIUM DERIVATIVE OF BUNOLOL. Kaplan HR, Barker JW, Dugan D, Fox J, Giardino E *Arch Int Pharmacodyn Ther* 207:28-43, Jan 74 (Eng)

ADRENERGIC BETA RECEPTOR BLOCKADERS (pharmacodynamics); AMMONIUM COMPOUNDS (pharmacodynamics); ARRHYTHMIA (chemically induced); BLOOD PRESSURE (drug effects); BUNOLOL (therapeutic use, pharmacodynamics); DIPHENYLHYDANTOIN (pharmacodynamics); DOGS; DOSE-RESPONSE RELATIONSHIP, DRUG; ELECTROCARDIOGRAPHY; ELECTRODES; GANGLIONIC BLOCKADERS (pharmacodynamics); HEART (drug effects); HEART RATE (drug effects); HEMODYNAMICS (drug effects); HEXAMETHONIUM COMPOUNDS (pharmacodynamics); INSULIN (pharmacodynamics); MYOCARDIAL DEPRESSANTS (pharmacodynamics); NOREPINEPHRINE (pharmacodynamics); OUABAIN (pharmacodynamics); PROPRANOLOL (pharmacodynamics); TIME FACTORS; VENTRICULAR FIBRILLATION (drug therapy).

**Kaplan SA**

ADENYLATE CYCLASE ACTIVITY IN IMMATURE RABBIT LUNG. Barrett CT, Sevanian A, Kaplan SA *Pediatr Res* 8:244-7, Apr 74 (Eng)

**Karadsheh NS**

SEDOHEPTULOSE-7-PHOSPHATE KINASE ACTIVITY OF PHOSPHOFRUCTOKINASE FROM THE DIFFERENT TISSUES OF RABBIT. Karadsheh NS, Tejwani GA, Ramaiah A *Biochim Biophys Acta* 327:66-81, 15 Nov 73 (Eng)

ADENOSINE TRIPHOSPHATE; ALCOHOL, PROPYL; AMMONIUM SULFATE; BINDING SITES; BRAIN (enzymology); CATALYSIS; DRUG STABILITY; ENZYME ACTIVATION; ERYTHROCYTES (enzymology); FRUCTOSEPHOSPHATES; GEL FILTRATION; HEPATOS; KINETICS; LIVER (enzymology); MUSCLES (enzymology); MYOCARDIUM (enzymology); PHOSPHOFRUCTOKINASE (antagonists & inhibitors, blood, isolation & purification); PRECIPITATION; RABBITS; SUGAR PHOSPHATES.

**Karaharju E**

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

**Karam JH**

IMMUNOGENICITY OF SINGLE PEAK BEEF-PORK INSULIN IN DIABETIC SUBJECTS. Tantillo JJ, Karam JH, Burrill KC, Jones MA, Grodsky GM, Forsham PH *Diabetes* 23:276-81, Apr 74 (Eng)

EFFECTS OF ALTERNATIONS OF PLASMA FREE FATTY ACID LEVELS ON PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Schneider V, Karam JH, Noacco C *J Clin Invest* 53:1284-9, May 74 (Eng)

**Karvaly B**

CONTRIBUTION TO THE ELECTROCHEMISTRY OF BIMOLECULAR LIPID MEMBRANES. Karvaly B, Rosenberg B, Pant HC, Kemeny G *Biophysik* 10:199-212, 1973 (Eng)

BATHS; ELECTRIC CONDUCTIVITY; ELECTROCHEMISTRY; ELECTRON TRANSPORT; IODIDES; IODINE; IODINE RADIOISOTOPES; LIPIDS; MEMBRANES, ARTIFICIAL; OXIDATION-REDUCTION.

**Kasafirek E**

[CHEMISTRY OF HYPOTHALAMIC HYPOTHYSOTROPIC HORMONES] Kasafirek E *Cesk Farm* 22:364-74, 1973 (Cze)

CORTICOTROPIN (physiology); LH-FSH RELEASING HORMONE (physiology); MSH (physiology); PITUITARY HORMONE RELEASING HORMONES (physiology); PROLACTIN (physiology); SOMATOTROPIN (physiology); THYROTROPIN (physiology).

**Kaser H**

[BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD] Kaser H, Wagner HP, Zupping K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)

ADRENAL GLAND NEOPLASMS (urine); CHILD; CUSHINGS SYNDROME (urine); DEXAMETHASONE (diagnostic use); DOPA (urine); DOPAMINE (urine); EPINEPHRINE (urine); GANGLIONEUROMA (urine); GLUCOSE TOLERANCE TEST; HEPATOMA (urine); INSULIN (blood); ISLET CELL TUMOR (blood); MELANOMA (urine); NEOPLASMS (diagnosis); NEUROBLASTOMA (urine); PANCREATIC NEOPLASMS (blood); PHEOCHROMOCYTOMA (urine); VANILMANDELIC ACID (urine).

**Kashintseva LT**

[CHANGE IN THE MUCOPOLYSACCHARIDE CONTENT IN THE TISSUES OF THE OCULAR DRAINAGE SYSTEM IN PRIMARY GLAUCOMA AND ITS ROLE IN THE DEVELOPMENT OF THE GLAUCOMATOUS PROCESS (A HISTOCHEMICAL STUDY)] Kashintseva LT, Plevinskis VP *Oftalmol Zh* 28:57-62, Jan 73 (Rus)

BIOLOGICAL TRANSPORT; DIABETIC RETINOPATHY (metabolism); EYE (metabolism, physiopathology); GLAUCOMA (etiology, metabolism); HISTOCYTOCHEMISTRY; MIDDLE AGE; MUCOPOLYSACCHARIDES (analysis).

**Kastin A**

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

**Kataja J**

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

**Katsuki H**

[PHOSPHOENOLPYRUVATE CARBOXYLASE: MECHANISM FOR ALLOSTERIC REGULATION BY MULTIPLE EFFECTORS (AUTHORS TRANSL)] Katsuki H, Kzui K, Teraoka H, Yoshinaga T, Morikawa M *J Jap Biochem Soc* 45:781-803, Sep 73 (Jap) [95]

ACETYL COENZYME A; ALLOSTERIC REGULATION; AMINO ACIDS (analysis); ANILINO NAPHTHALENESULFONATES; CENTRIFUGATION; CHEMISTRY, PHYSICAL; CHLORINE; CIRCULAR DICHROISM; CYCLOHEXYLAMINE; ENZYME ACTIVATION; ENZYME INDUCTION; ETHYLMALAMIDE; FATTY ACIDS; FRUC-

TOSEPHOSPHATES; HEAT; KREBS CYCLE; LIGANDS; MALATES; MOLECULAR CONFORMATION; PHOSPHOENOLPYRUVATE CARBOXYKINASE (isolation & purification, metabolism).

**Katz S**

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY NAF. Katz S, Tenenhouse A *Br J Pharmacol* 48:505-15, Jul 73 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); BRAIN (enzymology); CARBON RADIOISOTOPES; CEREBRAL CORTEX (enzymology); CHROMATOGRAPHY, ION EXCHANGE; FLUORIDES (pharmacodynamics); PHOSPHODIESTERASES (metabolism); RATS; SYNAPTIC MEMBRANES (metabolism); THEOPHYLLINE (pharmacodynamics); TIME FACTORS.

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUABAIN AND MN00. Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); BRAIN (enzymology); CEREBRAL CORTEX (metabolism); EPINEPHRINE (pharmacodynamics); MAGNESIUM (pharmacodynamics); MANGANESE (pharmacodynamics); OUABAIN (pharmacodynamics); PHENOXYBENZAMINE (pharmacodynamics); PHOSPHODIESTERASES (metabolism); PRONETHALOL (pharmacodynamics); RATS; SYNAPTIC MEMBRANES (metabolism).

**Kaufman CF**

RENAL KETONE BODY METABOLISM AND GLUCONEOGENESIS IN NORMAL AND HYPOGLYCEMIC SHEEP. Kaufman CF, Bergman EN *Am J Physiol* 226:827-32, Apr 74 (Eng)

AORTA; CATHETERIZATION; FASTING; GLUCONEOGENESIS; GLUCOSE (metabolism); GLYCERIN (metabolism); HYPOGLYCEMIA (metabolism); KETONE BODIES (urine, metabolism); KIDNEY (blood supply, metabolism); LACTATES (metabolism); PREGNANCY; PREGNANCY, ANIMAL; PREGNANCY, MULTIPLE; PYRUVATES (metabolism); REGIONAL BLOOD FLOW; RENAL VEINS; SHEEP (metabolism).

RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP. Bergman EN, Kaufman CF, Wolff JE, Williams HH *Am J Physiol* 226:833-7, Apr 74 (Eng)

**Kaufman PL**

SUBRETINAL FLUID BUTYRYLCHOLINESTERASE 2. REOPERATED RHEGMATOGENOUS DETACHMENTS AND DIABETIC TRACTION DETACHMENTS. Kaufman PL, Podos SM *Am J Ophthalmol* 77:19-24, Jan 74 (Eng)

AGED; DIABETIC RETINOPATHY (surgery); LENS, CRYSTALLINE (abnormalities); MIDDLE AGE; POSTOPERATIVE COMPLICATIONS; RECURRENCE; RETINAL DETACHMENT (classification, surgery); RETINAL HEMORRHAGE; SCLERA (surgery).

## Diabetes Literature—Author Index

### Kawai M

#### Kawai M

KINETIC STUDIES ON GLUCOAMYLASE. VI. INHIBITION OF SUBSTRATE ANALOGUES. Hiromi K, Kawai M, Suetugu N, Nitta Y, Hosotani T *J Biochem (Tokyo)* 74:935-43, Nov 73 (Eng)

#### Kaye R

THE FAMILY PRACTITIONER AND THE JUVENILE DIABETIC. Kaye R *Semin Drug Treat* 3:357-63, Spring 74 (Eng)

ACIDOSIS, DIABETIC (drug therapy); AGE FACTORS; BLOOD SUGAR; CHILD; DIABETES MELLITUS, JUVENILE (complications, diagnosis, surgery, urine, drug therapy); DIET THERAPY; EPINEPHRINE (therapeutic use); EXERTION; GLYCOSURIA (diagnosis); HOMEOSTASIS; HYDROCORTISONE (therapeutic use); INFECTION (drug therapy); INSULIN (biosynthesis, therapeutic use); OXIDOREDUCTASES (diagnostic use); PHYSICIAN-PATIENT RELATIONS; SOMATOTROPIN (therapeutic use).

#### Kazenelson M

DEVELOPMENT AND APPLICATION OF A RADIOIMMUNOASSAY FOR PLASMA GLUCAGON. Sperling MA, DeLamater PV, Kazenelson M, Fiser RH, Fisher DA *Clin Chem* 20:566-70, May 74 (Eng)

#### Kazimircsik AP

[ALPHA2-MACROGLOBULIN CONCENTRATION IN THE SERUM IN CHRONIC PANCREATITIS, LIVER CIRRHOSIS AND DIABETES MELLITUS] Geller LI, Kazimircsik AP, Kozlova ZP *Vopr Med Khim* 19:96-9, Jan-Feb 73 (Rus)

#### Keller P

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

#### Kelly A

FAMILIAL LIPOATROPHIC DIABETES WITH DOMINANT TRANSMISSION. A NEW SYNDROME. Dunnigan MG, Cochran MA, Kelly A, Scott JW *Q J Med* 43:33-48, Jan 74 (Eng)

#### Kemeny G

CONTRIBUTION TO THE ELECTROCHEMISTRY OF BIMOLECULAR LIPID MEMBRANES. Karvaly B, Rosenberg B, Pant HC, Kemeny G *Biophysik* 10:199-212, 1973 (Eng)

#### Kemp E

DIABETES AND RENAL TRANSPLANTATION. A HYPOTHESIS. Kemp E, Kjaergaard E, Jensen IM, Svendsen EV *Scand J Urol Nephrol* 8:50-3, 1974 (Eng)

ADULT; CREATININE (blood); DIABETES MELLITUS, JUVENILE (blood, complications); GRAFT REJECTION; IMMUNOSUPPRESSION; KIDNEY (transplantation); KIDNEY FUNCTION TESTS; MIDDLE AGE; POSTOPERATIVE COMPLICATIONS; TIME FACTORS; TRANSPLANTATION, HOMOLOGOUS; UREMIA (etiology, surgery).

#### Kennedy T

WHICH VAGOTOMY WHICH DRAINAGE Kennedy T *Proc R Soc Med* 67:3-4, Jan 74 (Eng)

BODY WEIGHT; DIARRHEA (etiology); DRAINAGE; DUMPING SYNDROME (etiology);

DUODENAL ULCER (surgery); FLATULENCE (etiology); FOLLOW-UP STUDIES; INSULIN (diagnostic use); METHODS; PYLORUS (surgery); RECURRENCE; VAGOTOMY; VOMITING (etiology).

#### Kepes A

[THREE CLASSES OF TRANSPORT SYSTEMS IN BACTERIA] Kepes A *Biochimie* 55:693-702, 1973 (Fre) [31]

BINDING, COMPETITIVE; BINDING SITES; BIOLOGICAL TRANSPORT, ACTIVE; CARRIER PROTEINS; CELL MEMBRANE (enzymology); ENERGY METABOLISM; ENERGY TRANSFER; ESCHERICHIA COLI (metabolism, enzymology); KINETICS; LACTOSE; MODELS, BIOLOGICAL; PERMEASES (metabolism); PHOSPHOTRANSFERASES (metabolism); STRUCTURE-ACTIVITY RELATIONSHIP.

#### Kerl H

[VARIOUS ASPECTS OF DIABETIC BULLOSIS] Kerl H, Kresbach H *Hautarzt* 25:60-5, Feb 74 (Ger)

ADULT; AGED; BLISTER (pathology, etiology); CHRONIC DISEASE; DIABETES MELLITUS (pathology, complications); MIDDLE AGE; PIGMENTATION DISORDERS (complications); RECURRENCE; SKIN MANIFESTATIONS.

#### Kern P

ULTRASTRUCTURAL STUDY OF CONJUNCTIVAL CAPILLARIES AND BIOCHEMICAL STUDY OF CONJUNCTIVA IN THE COURSE OF HUMAN AND ANIMAL DIABETES. Regnault F, Kern P *Bibl Anat* 11:459-67, 1973 (Eng)

#### Kervran A

FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS. Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

#### Khan L

EFFECTS OF LEUCINE AND ISOLEUCINE ON NICOTINAMIDE NUCLEOTIDES OF ERYTHROCYTES. Belavady B, Rao PU, Khan L *Int J Vitam Nutr Res* 43:442-53, Apr 73 (Eng)

#### Khanna SS

CELLULAR COMPOSITION OF THE PANCREATIC ISLETS OF THE COMMON INDIAN FROG, RANA TIGRINA. Khanna SS, Kumar S *Acta Anat (Basel)* 86:524-31, 1973 (Eng)

ANATOMY, COMPARATIVE; FROGS; ISLANDS OF LANGERHANS (cytology); RANA (anatomy & histology); SEASONS; STARVATION.

#### Khomulo PS

[OXYGEN AND GLUCOSE CONSUMPTION BY AORTIC TISSUE DURING DIETARY ADMINISTRATION OF CHOLESTEROL AND NERVOUS SYSTEM STRESS] Khomulo PS, Mytareva LV, Zakirnichnaia GA *Kardiologiia* 13:116-20, Jan 73 (Rus)

AORTA (drug effects, metabolism); BLOOD SUGAR (metabolism); CHOLESTEROL (blood); CHOLESTEROL, DIETARY; GLUCOSE (metabolism); OXYGEN CONSUMPTION; RATS; STRESS (metabolism); VITAMIN B COMPLEX (pharmacodynamics).

#### Kidd JG Jr

THE CHARCOT JOINT: SOME PATHOLOGICAL AND PATHOGENETIC CONSIDERATIONS. Kidd JG Jr *South Med J* 67:597-602, May 74 (Eng)

ARTHRITIS, INFECTIOUS (complications); ARTHROPATHY, NEUROGENIC (etiology, physiopathology, pathology); AUTONOMIC NERVOUS SYSTEM (physiopathology); AUTOPSY; BONE AND BONES (pathology); CARTILAGE,

ARTICULAR (pathology); CATS; DIABETES MELLITUS (complications); DOGS; FRACTURES (complications); PAIN; SYNOVIAL MEMBRANE (pathology); VASCULAR DISEASES (complications).

#### Killian P

STUDIES OF GLUCOSE INTOLERANCE IN SEPTIC INJURED PATIENTS. Gump FE, Long C, Killian P, Kinney JM *J Trauma* 14:378-88, May 74 (Eng)

#### Kindt E

[FAT CELL SIZE IN 14 FEMALE OVERWEIGHT PATIENTS] Rognum TO, Kindt E *Tidsskr Nor Laegeforen* 93:1737-9, 10 Sep 73 (Nor)

#### King RL

GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS. Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL *J Anim Sci* 37:1419-27, Dec 73 (Eng)

#### Kinney JM

STUDIES OF GLUCOSE INTOLERANCE IN SEPTIC INJURED PATIENTS. Gump FE, Long C, Killian P, Kinney JM *J Trauma* 14:378-88, May 74 (Eng)

#### Kjaergaard E

DIABETES AND RENAL TRANSPLANTATION. A HYPOTHESIS. Kemp E, Kjaergaard E, Jensen IM, Svendsen EV *Scand J Urol Nephrol* 8:50-3, 1974 (Eng)

#### Klain GJ

CHANGES IN HEPATIC FATTY ACID SYNTHESIS FOLLOWING GLUCAGON INJECTIONS IN VIVO. Klain GJ, Weiser PC *Biochem Biophys Res Commun* 55:76-83, 1 Nov 73 (Eng)

ACETYL COA CARBOXYLASE (antagonists & inhibitors); ATP CITRATE LYASE (metabolism); CARBON DIOXIDE (metabolism); FATTY ACID SYNTHETASE COMPLEX (metabolism); FATTY ACIDS (biosynthesis); GLUCAGON (pharmacodynamics); GLUCOSE (metabolism); GLYCERIN (biosynthesis); ISOCITRATE DEHYDROGENASE (metabolism); LIVER (drug effects, enzymology); MALATE DEHYDROGENASE (metabolism); RATS; TIME FACTORS.

#### Klassen GA

CARBON DIOXIDE MEDIATED GLYCOLYSIS II. Zborowska-Sluis DT, Klassen GA *Respir Physiol* 19:162-75, Nov 73 (Eng)

#### Kleemann W

LATERAL PHASE SEPARATIONS IN MEMBRANES. Shimshick EJ, Kleemann W, Hubbell WL, McConnell HM *J Supramol Struct* 1:285-94, 1973 (Eng)

#### Klimt F

[A MICROMETHOD FOR THE DETERMINATION OF LACTATE, PYRUVATE AND GLUCOSE FROM 0.1 ML OF BLOOD] Pannier R, Klimt F *Z Med Labtech* 14:285-94, 1973 (Ger)

#### Kloppel G

THE SIGNIFICANCE OF CALCIUM IN INSULIN SECRETION. ULTRASTRUCTURAL STUDIES ON IDENTIFICATION AND LOCALIZATION OF CALCIUM IN ACTIVATED AND INACTIVATED B CELLS OF MICE. Schafer HJ, Kloppel G *Virchows Arch [Pathol Anat]* 362:231-45, 1974 (Eng)

#### Klyszejko-Stefanowicz L

[CHEMICAL SYNTHESIS AND PROPERTIES OF PEPTIDIC HORMONE ANALOGUES

## Diabetes Literature—Author Index

Kramer MW

(AUTHORS TRANSL.) Lutz W, Klyszejko-Stefanowicz L *Postepy Biochem* 20:35-66, 1974 (Pol)

### Knolle G

[DISEASES OF ORAL MUCOSA. ORAL MANIFESTATIONS OF DIABETES MELLITUS] Strassburg M, Knolle G *Quintessenz* 24:89-93, Dec 73 (Ger)

### Koch C

[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS] Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

### Koch G

[BLOOD GLUCOSE AND PLASMA INSULIN IN TRAUMATIZED RABBITS. AN EXPERIMENTAL STUDY] Koch G *Brunns Beitr Klin Chir* 221:158-63, Mar 74 (Ger)

BLOOD SUGAR (metabolism); FEMORAL FRACTURES (microbiology, surgery); GLUCONEOGENESIS; HYPERGLYCEMIA (blood, metabolism); INSULIN (blood); RABBITS; STAPHYLOCOCCAL INFECTIONS; STRESS (blood, metabolism); TIME FACTORS.

### Kolodny RC

SEXUAL DYSFUNCTION IN DIABETIC MEN. Kolodny RC, Kahn CB, Goldstein HH, Barnett DM *Diabetes* 23:306-9, Apr 74 (Eng)

ADOLESCENCE; ADULT; AGE FACTORS; AGED; BLOOD CELL COUNT; BLOOD CHEMICAL ANALYSIS; DIABETES MELLITUS (drug therapy, complications); DIABETIC NEUROPATHIES (complications); EJACULATION; IMPOTENCE (etiology); INSULIN (therapeutic use); MIDDLE AGE; PSYCHOPHYSIOLOGIC DISORDERS; TESTOSTERONE (blood); TIME FACTORS; URINE (analysis).

### Komor B

THE ACTIVE HEXOSE-UP TAKE SYSTEM OF CHLORELLA VULGARIS. KM-VALUES FOR 6-DEOXYGLUCOSE INFLUX AND EFFLUX AND THEIR CONTRIBUTION TO SUGAR ACCUMULATION. Komor E, Haass D, Komor B, Tanner W *Eur J Biochem* 39:193-200, 1 Nov 73 (Eng)

### Komor E

THE ACTIVE HEXOSE-UP TAKE SYSTEM OF CHLORELLA VULGARIS. KM-VALUES FOR 6-DEOXYGLUCOSE INFLUX AND EFFLUX AND THEIR CONTRIBUTION TO SUGAR ACCUMULATION. Komor E, Haass D, Komor B, Tanner W *Eur J Biochem* 39:193-200, 1 Nov 73 (Eng)

BIOLOGICAL TRANSPORT, ACTIVE; CELL WALL; CHLORELLA (metabolism); GLUCOSE (metabolism); KINETICS; MATHEMATICS; MEMBRANES.

### Kones RJ

CARDIOGENIC SHOCK: THERAPEUTIC IMPLICATIONS OF ALTERED MYOCARDIAL ENERGY BALANCE. Kones RJ *Angiology* 25:317-33, May 74 (Eng) [25]

ADRENERGIC ALPHA RECEPTOR BLOCKADERS (therapeutic use); AEROBIOISIS; ANAEROBIOISIS; ANGIOTENSIN (therapeutic use); ASSISTED CIRCULATION; BLOOD PRESSURE; CARDIAC OUTPUT; CORONARY CIRCULATION; DIGITALIS GLYCOSIDES (therapeutic use); DOPAMINE (therapeutic use); ELECTRIC COUNTERSHOCK; EPINEPHRINE (therapeutic use); GLUCAGON (therapeutic use); GLUCOCORTICOIDS (therapeutic use); HEART (physiopathology); HEART FUNCTION TESTS; HEART RATE; HEART VENTRICLE (physiopathology); ISOPROTERENOL (therapeutic use); METARAMINOL (therapeutic use); MUSCLE CONTRACTION; MYOCARDIUM

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### Koob K

HYPOKALEMIC PERIODIC PARALYSIS. LOW ACTIVITY OF SARCOPLASMIC RETICULUM AND MUSCLE RIBOSOMES DURING AN INDUCED ATTACK. Ionescu V, Schochet SS Jr, Powers JM, Koob K, Conway TW *J Neurol Sci* 21:419-29, Apr 74 (Eng)

### Koochek MH

GROWTH HORMONE IN DYSTROPHIA MYOTONICA. Caughey JE, Koochek MH *Nz Med J* 79:685-7, 27 Feb 74 (Eng)

### Kopp H

[CLINICAL TESTS ON GLUCOPHAGE RETARD IN 50 OBESE ADULT PATIENTS WITH ADJUSTED DIABETES MELLITUS] Kopp H *Med Welt* 25:658-60, 12 Apr 74 (Ger)

AGED; BIGUANIDES (therapeutic use); DELAYED-ACTION PREPARATIONS; DIABETES MELLITUS (drug therapy); MIDDLE AGE; OBESITY IN DIABETES (drug therapy).

### Koray F

[EXAMINATION OF ALVEOLAR BONE IN DIABETICS] Koray F *Istanbul Univ Dishekim Fak Derg* 7:287-326, Sep 73 (Tur)

ALVEOLAR PROCESS; DIABETES MELLITUS; GINGIVA.

### Korchin VI

[EXPERIMENTAL ALLOXAN DIABETES IN GOLDEN HAMSTERS] Lazaris IaA, Korchin VI *Patol Fiziol Eksp Ter* 17:72-4, Sep-Oct 73 (Rus)

### Korenman SG

PROTEIN KINASE TRANSLOCATION AS AN EARLY EVENT IN THE HORMONAL CONTROL OF UTERINE CONTRACTION. Korenman SG, Bhalla RC, Stevens RH *Science* 183:430-2, 1 Feb 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics, metabolism); BINDING SITES (drug effects); CASTRATION; CELL FRACTIONATION; CYTOSOL (metabolism); DEPRESSION, CHEMICAL; ENZYME ACTIVATION; ISOPROTERENOL (pharmacodynamics); MICROSOMES (metabolism); MUSCLE CONTRACTION (drug effects); PHOSPHORUS RADIOISOTOPES; PROTEIN KINASE (metabolism); RATS; STIMULATION, CHEMICAL; UTERUS (cytology, enzymology, metabolism).

### Kornberg HL

FINE CONTROL OF SUGAR UPTAKE BY ESCHERICHIA COLI. Kornberg HL *Symp Soc Exp Biol* 27:175-93, 1973 (Eng) [71]

BIOLOGICAL TRANSPORT, ACTIVE; CARBOHYDRATES (metabolism); CARBON RADIOISOTOPES; DISACCHARIDES (metabolism); ESCHERICHIA COLI (metabolism); FEEDBACK; FRUCTOSE (metabolism); GALACTOSE (metabolism); GLUCOSE (metabolism); GLYCERIN (metabolism); GLYCOSIDES (metabolism); LACTOSE.

### Kortt AA

ON THE SPECIFICITY AND PH DEPENDENCE OF FICIN-CATALYZED HYDROLYSES. SOME COMPARISONS WITH BROMELAIN SPECIFICITY. Kortt AA, Hinds JA, Zerner B *Biochemistry* 13:2029-37, 7 May 74 (Eng)

ALANINE (metabolism); AMINO ACID SEQUENCE; AMINO ACIDS (analysis, metabolism); ANGIOTENSIN (metabolism); ARGININE (metabolism); BENZYL COMPOUNDS (metabolism); BRADYKININ (metabolism); BROMELAINS (metabolism); CATALYSIS;

GLYCINE (metabolism); HIPPURATES (metabolism); HYDROGEN-ION CONCENTRATION; INSULIN (metabolism); KINETICS; LYSINE (metabolism); NITROBENZENES (metabolism); OLIGOPEPTIDES (metabolism); OXIDATION-REDUCTION; PEPTIDE PEPTIDOHYDROLASES (metabolism); PEPTIDES (analysis, metabolism); PLANTS (enzymology); STRUCTURE-ACTIVITY RELATIONSHIP.

### Kosaka K

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN SECRETION. Kaneto A, Kajunuma H, Hayashi M, Kosaka K *Endocrinol Jap* 20:609-17, Dec 73 (Eng)

### Koster JF

HEPATIC PHOSPHORYLASE DEFICIENCY. ITS DIFFERENTIATION FROM OTHER HEPATIC GLYCOGENOSES. Fernandes J, Koster JF, Grose WF, Sordedra N *Arch Dis Child* 49:186-91, Mar 74 (Eng)

### Kovacs K

ONCOCYTES IN THE ANTERIOR LOBE OF THE HUMAN PITUITARY GLAND. A LIGHT AND ELECTRON MICROSCOPIC STUDY. Kovacs K, Horvath E, Bilhau JM *Acta Neuropathol (Berl)* 27:43-53, 7 Feb 74 (Eng)

ACROMEGALY (complications); ADENOMA (pathology); ADENOMA, CHROMOPHOBE (pathology); ADENOMA, EOSINOPHILIC (pathology); AMENORRHEA (complications); CELL TRANSFORMATION, NEOPLASTIC; CYTOPLASM; CYTOPLASMIC GRANULES; DIABETIC RETINOPATHY (complications); LACTATION DISORDERS; MICROSCOPY, ELECTRON; MITOCHONDRIA; NEOPLASM CIRCULATING CELLS; PITUITARY GLAND (cytology, metabolism); PITUITARY HORMONES, ANTERIOR (secretion); PITUITARY NEOPLASMS (pathology).

### Kozlov YV

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P, Limborskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP *Diabetes* 23:302-5, Apr 74 (Eng)

### Kozlova ZP

[ALPHA2-MACROGLOBULIN CONCENTRATION IN THE SERUM IN CHRONIC PANCREATITIS, LIVER CIRRHOSIS AND DIABETES MELLITUS] Geller LI, Kazimirchik AP, Kozlova ZP *Vopr Med Khim* 19:96-9, Jan-Feb 73 (Rus)

### Krabbe S

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH INTRAVENOUS INSULIN] Fabricius-Bjerre N, Krabbe S, Lyngsoe J, Thomsen AC *Ugeskr Laeger* 136:188-92, 21 Jan 74 (Dan)

### Kramer KJ

A MODEL OF THE KINETICS OF INSULIN IN MAN. Sherwin RS, Kramer KJ, Tobin JD, Insel PA, Liljenquist JE, Berman M, Andres R *J Clin Invest* 53:1481-92, May 74 (Eng)

### Kramer MW

PLASMA DISAPPEARANCE OF RADIOIODINATED DOG GROWTH HORMONE IN THE DOG. Kramer MW, Pearson SE, Michaelson SM *Horm Metab Res* 5:470-1, Nov 73 (Eng)

DOGS; IMMUNE SERUMS; IODINE RADIOISOTOPES; KINETICS; METABOLIC CLEARANCE RATE; MONKEYS (immunology); RABBITS (immunology); RADIOIMMUNOASSAY; SOMATOTROPIN (blood); SPECIES

## Diabetes Literature—Author Index

### Krebs EG

SPECIFICITY; TIME FACTORS;  
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### Krebs EG

PROTEIN KINASES. Krebs EG *Curr Top Cell Regul* 5:99-133, 1972 (Eng) [185]  
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); BINDING SITES; CALCIUM (pharmacodynamics); ENZYME ACTIVATION; EPINEPHRINE (pharmacodynamics); GLYCOGEN; GLYCOGEN SYNTHETASE (biosynthesis, metabolism); HYDROGEN-ION CONCENTRATION; KINETICS; LIPIDS (metabolism); MOLECULAR WEIGHT; MUSCLES (enzymology); NUCLEOPROTEINS (metabolism); ORGAN SPECIFICITY; PHOSPHOPROTEINS (metabolism); PHOSPHORYLASE KINASE (analysis, metabolism); PROTEIN BINDING; PROTEIN KINASE (metabolism); PYRUVATE DEHYDROGENASE COMPLEX (metabolism); SPECIES SPECIFICITY.

### Krebs HA

PYRIDINE NUCLEOTIDES AND RATE CONTROL. Krebs HA *Symp Soc Exp Biol* 27:299-318, 1973 (Eng) [37]  
KIDNEY (enzymology); LACTATE DEHYDROGENASE (metabolism); LIVER (enzymology); MITOCHONDRIA; MYOCARDIUM (enzymology); NAD (metabolism); NADP (metabolism); OXIDATION-REDUCTION; OXIDATIVE PHOSPHORYLATION; RATS; SACCHAROMYCES CEREVISIAE (metabolism).

### Kremling H

[DIAGNOSTIC PROCEDURE IN AMENORRHEA] Kremling H, Wille G *Med Klin* 69:287-8, 15 Feb 74 (Ger)  
AMENORRHEA (etiology, diagnosis); BRAIN DISEASES (complications, diagnosis); CONTRACEPTIVES, ORAL (adverse effects); DIABETES MELLITUS (complications, diagnosis); GONADS (abnormalities); OVARIAN DISEASES (complications, diagnosis); OVARIAN NEOPLASMS (complications); STRESS, PSYCHOLOGICAL (complications); VAGINA (abnormalities); VAGINAL SMEARS.

### Kresbach H

[VARIOUS ASPECTS OF DIABETIC BULLOSIS] Kerl H, Kresbach H *Hautarzt* 25:60-5, Feb 74 (Ger)

### Krieg NR

TRANSPORT AND CATABOLISM OF D-FRUCTOSE BY SPIRILLUM ITERSOMII. Hylemon PB, Krieg NR, Phibbs PV Jr *J Bacteriol* 117:144-50, Jan 74 (Eng)

### Krishna G

THE EFFECT OF PROSTAGLANDIN E<sub>1</sub> ON NOREPINEPHRINE-INDUCED MEMBRANE DEPOLARIZATION AND CYCLIC AMP ACCUMULATION IN BROWN FAT CELLS. Moskowitz J, Krishna G *Pharmacology* 10:129-35, 1973 (Eng)

### Kriz BM

REDUCTION OF PLASMA CHOLESTEROL LEVELS IN MALE RETIRED BREEDER RATS BY AN ANABOLIC STEROID, OXANDROLONE. Mills ES, Kriz BM, Jones AL *Proc Soc Exp Biol Med* 144:861-3, Dec 73 (Eng)

### Kroon PH van der

ROLE OF THE THYROID IN THE DEVELOPMENT OF THE OBESE-HYPERGLYCEMIC SYNDROME IN MICE (OB/Ob). Joosten HF, Kroon PH van der *Metabolism* 23:425-36, May 74 (Eng)

### Krueger WA

EFFECT OF REPEATED INJECTIONS OF OESTROGEN ON UTERINE GLYCOGEN. Bo WJ, Krueger WA, Garrison BM *J Endocrinol* 59:381-2, Nov 73 (Eng)

### Kryston LJ

THE RATIONALE FOR THE USE OF DRUGS IN THE TREATMENT OF DIABETES MELLITUS. Kryston LJ, Shaw RA *Semin Drug Treat* 3:365-75, Spring 74 (Eng)

ACIDOSIS, DIABETIC (drug therapy); ADMINISTRATION, ORAL; BIGUANIDES (adverse effects, therapeutic use); BLOOD SUGAR (analysis); DIABETES MELLITUS (diagnosis, drug therapy); DIABETES MELLITUS, JUVENILE (drug therapy); DIABETIC COMA (drug therapy, etiology); DIET THERAPY; FATS (biosynthesis); HYPERINSULINISM (etiology, therapy); INJECTIONS; INSULIN (administration & dosage, blood, therapeutic use); KETO ACIDS; OBESITY IN DIABETES (therapy); SULFONYLUREA COMPOUNDS (adverse effects, therapeutic use).

### Krystosek A

EFFECT OF CYCLIC ADENOSINE 3:5-MONOPHOSPHATE ON RIBOSOMAL PROTEIN PHOSPHORYLATION IN RETICULOCYTES. Cawthon ML, Bitte LF, Krystosek A, Kabat DJ *J Biol Chem* 249:275-8, 10 Jan 74 (Eng)

### Kugelberg C

PANCREATOGRAPHY IN RELAPSING PANCREATITIS. Arnesjo B, Kugelberg C, Tylen U *Acta Chir Scand* 140:131-7, 1974 (Eng)

### Kuleshov EV

[DIABETIC GANGRENE (REVIEW OF THE LITERATURE)] Kuleshov EV, Kuleshova Iu *Khirurgia (Mosk)* 49:125-9, Apr 73 (Rus) [93]  
ALCOHOLISM (complications); CHRONIC DISEASE; DIABETES MELLITUS (complications); DIABETIC NEUROPATHIES (complications); GANGRENE (etiology); GLUCOSE (metabolism); MICROCIRCULATION; MUCOPOLYSACCHARIDES (metabolism).

[TRACE ELEMENTS AND BLOOD COAGULATION IN DIABETIC GANGRENE] Kuleshov EV, Kuleshova Iu *Klin Med (Mosk)* 51:115-21, Nov 73 (Rus)

ADULT; AGED; ALUMINUM (blood); BLOOD COAGULATION; COPPER (blood); DIABETES MELLITUS (complications, metabolism, blood); GANGRENE (etiology, blood); MANGANESE (blood); MIDDLE AGE; SILICON (blood); TITANIUM (blood); TRACE ELEMENTS (blood).

### Kuleshova Iu

[DIABETIC GANGRENE (REVIEW OF THE LITERATURE)] Kuleshov EV, Kuleshova Iu *Khirurgia (Mosk)* 49:125-9, Apr 73 (Rus) [93]

[TRACE ELEMENTS AND BLOOD COAGULATION IN DIABETIC GANGRENE] Kuleshov EV, Kuleshova Iu *Klin Med (Mosk)* 51:115-21, Nov 73 (Rus)

### Kumahara Y

[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE] Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

ADOLESCENCE; ADULT; CHILD; CORTICOTROPIN (metabolism); GONADOTROPINS, PITUITARY (metabolism); HYPOTHALAMO-HYPOPHYSAL SYSTEM (physiopathology); MIDDLE AGE; PITUITARY DISEASES (metabolism); PITUITARY HORMONES, ANTERIOR (metabolism); SOMATOTROPIN (metabolism); THYROTROPIN (metabolism).

### Kumar S

CELLULAR COMPOSITION OF THE PANCREATIC ISLETS OF THE COMMON INDIAN FROG, RANA TIGRINA. Khanna SS, Kumar S *Acta Anat (Basel)* 86:524-31, 1973 (Eng)

### Kumar V

FIBRINOAGGULOPATHY IN MATURITY ONSET DIABETES MELLITUS AND ATHEROSCLEROSIS. Banerjee RN, Sahni AL, Kumar V *Thromb Diath Haemorrh* 30:123-32, 15 Sep 73 (Eng)

### Kummel L

ESTIMATION OF PATHWAYS OF GLUCOSE METABOLISM EMPLOYING (14C)GLUCOSE. Kummel L *Z Naturforsch* [C] 28:9-13, Jan-Feb 73 (Eng)

ADENOSINE TRIPHOSPHATE (pharmacodynamics); CARBON RADIOISOTOPES; ERYTHROCYTES (metabolism); GLUCOSE (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE; METHYLENE BLUE (pharmacodynamics); TIME FACTORS.

### Kurtz A

PROCEEDINGS: L-DOPA AS A TEST OF ANTERIOR PITUITARY FUNCTION. Millar JG, Kurtz A, Aminoff MJ, Wilcox CS, Nabarro JD *J Endocrinol* 59:XXV-XXVI, Nov 73 (Eng)

### Kwiatkowska J

RABBIT RETICULOCYTE PHOSPHOFRUCTOKINASE. PURIFICATION AND SOME PROPERTIES. Kwiatkowska J *Biochim Biophys Acta* 321:475-83, 10 Oct 73 (Eng)

ADENOSINE MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); CHROMATOGRAPHY, DEAE-CELLULOSE; CHROMATOGRAPHY, ION EXCHANGE; CITRATES (pharmacodynamics); DRUG STABILITY; ELECTROPHORESIS, POLYACRYLAMIDE GEL; ERYTHROCYTES (enzymology); HEAT; HYDROGEN-ION CONCENTRATION; ISOENZYMES (blood); KINETICS; OSMOLAR CONCENTRATION; PHENYLHYDRAZINE; PHOSPHOFRUCTOKINASE (analysis, antagonists & inhibitors, isolation & purification, blood); RABBITS; RETICULOCYTES (enzymology); TIME FACTORS; UREA.

### Kzui K

[PHOSPHOENOLPYRUVATE CARBOXYLASE: MECHANISM FOR ALLOSTERIC REGULATION BY MULTIPLE EFFECTORS (AUTHORS TRANSL)] Katsuki H, Kzui K, Teraoka H, Yoshinaga T, Morikawa M *Jap Biochem Soc* 45:781-803, Sep 73 (Jap) [95]

### Labrie F

PURIFICATION OF ADENOHYPOPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED ADENYLATE CYCLASE. Poirier G, De Lean A, Pelletier G, Lemay A, Labrie F *J Biol Chem* 249:316-22, 10 Jan 74 (Eng)

PHOSPHORYLATION OF ADENOHYPOPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED PROTEIN KINASE. Lemay A, Deschenes M, Lemaire S, Poirier G, Poulin L, Labrie F *J Biol Chem* 249:323-8, 10 Jan 74 (Eng)

### Lagerlof HO

STUDIES OF GASTROINTESTINAL INTERACTIONS. V. GASTRIC SECRETION AND DUODENAL REFLUX IN MAN AFTER A COMPOSITE MEAL. THE INFLUENCE OF GLUCOSE ON GASTRIC SECRETION, EMPTYING AND GASTRIC VOLUME. Lagerlof HO, Johansson C, Ekelund K *Scand J Gastroenterol* 8:735-42, 1973 (Eng)

DIETARY FATS; DIETARY PROTEINS; DUODENUM (physiology); FOOD; GASTRIC JUICE (secretion); GASTRIC MUCOSA (drug effects, secretion); GASTROINTESTINAL MOTILITY (drug effects); GLUCOSE (pharmacodynamics); INTESTINAL SECRETIONS; LACTOSE; POLYETHYLENE GLYCOLS (diagnostic use); SECRETORY RATE; STOMACH (drug effects, physiology).

**Lahdensuu M**

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

**Lahiri P**

INFLUENCE OF AGE AND CLIMATOLOGICAL VARIATIONS ON BLOOD GLUCOSE AND ADRENOMEDULLARY CATECHOLAMINES IN THE PIGEON. Lahiri P *Acta Physiol Pol* 24:817-29, Nov-Dec 73 (Eng)

ADRENAL MEDULLA (secretion); AGE FACTORS; BLOOD SUGAR; CLIMATE; EPINEPHRINE (secretion); HEAT; NOREPINEPHRINE (secretion); PIGEONS (physiology); SEASONS.

**Lam KC**

ROLE OF INTESTINAL ALKALINE PHOSPHATASE IN FAT TRANSPORT. Lam KC, Mistilis SP *Aust J Exp Biol Med Sci* 51:411-6, Jun 73 (Eng)

ALKALINE PHOSPHATASE (metabolism); BIOLOGICAL TRANSPORT; CAPRYLATES (metabolism); CARBON RADIOISOTOPES; CHROMATOGRAPHY, THIN LAYER; DUODENUM (metabolism); INTESTINAL ABSORPTION; INTESTINES (enzymology); LIPIDS (metabolism); LYMPH (metabolism, enzymology); OILS (metabolism); OLEIC ACID (metabolism); RATS; TRIGLYCERIDES (metabolism); TRIOLEIN (metabolism); ULTRACENTRIFUGATION.

**Landa L**

[CHANGES IN GLUCOSE METABOLISM IN LIVER CIRRHOSIS] Rodriguez Lopez E, Rojas L, Landa L *Rev Gastroenterol Mex* 37:89-95, Mar-Apr 72 (Spa)

**Langlois M**

EFFECTS OF ALTERNATIONS OF PLASMA FREE FATTY ACID LEVELS ON PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Schneider V, Karam JH, Noacco C *J Clin Invest* 53:1284-9, May 74 (Eng)

ADRENERGIC MODULATION OF PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Noacco C, Schneider V, Forsham PH *J Clin Invest* 53:1441-6, May 74 (Eng)

**Lannemyr O**

[LETHALLY PROCEEDING HEMOCHROMATOSIS IN A YOUNG MAN] Axelsson U, Lannemyr O *Lakartidningen* 71:1138, 20 Mar 74 (Swe)

**Larkins RG**

STIMULATION OF GROWTH HORMONE RELEASE FROM SUPERFUSED RAT PITUITARY BY EXTRACTS OF HYPOTHALAMUS AND OF HUMAN LUNG TUMOURS. Beck C, Larkins RG, Martin TJ, Burger HG *J Endocrinol* 59:325-33, Nov 73 (Eng)

**Larson LS**

THE EFFECT OF GLUCOSE ON URINARY CATION EXCRETION DURING CHRONIC EXTRACELLULAR VOLUME EXPANSION IN NORMAL MAN. Lennon EJ, Lemann J Jr, Piering WF, Larson LS *J Clin Invest* 53:1424-33, May 74 (Eng)

**Lasseter KC**

SULFONYLUREAS AND THE HEART. Levey GS, Lasseter KC, Palmer RF *Annu Rev Med* 25:69-74, 1974 (Eng) [24]

**Lauter J**

THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE. Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)

**Laviada E**

[HYPOGLYCEMIC EFFECT OF GLIPIZIDE. STUDY IN 20 DIABETIC PATIENTS WITH LOW PANCREATIC INSULIN RESERVE] Laviada E, Camara M *Prensa Med Mex* 38:297-302, Jul-Aug 73 (Spa)

ADOLESCENCE; ADULT; AGED; ANTIDIABETICS (therapeutic use); CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (drug therapy); DRUG EVALUATION; INSULIN (secretion); MIDDLE AGE; PANCREAS (secretion, drug effects); PLACEBOS; SULFONYLUREA COMPOUNDS (pharmacodynamics, therapeutic use).

**Lazaris IaA**

[EXPERIMENTAL ALLOXAN DIABETES IN GOLDEN HAMSTERS] Lazaris IaA, Korchin VI *Patol Fiziol Eksp Ter* 17:72-4, Sep-Oct 73 (Rus)

ALLOXAN DIABETES (physiopathology); HAMSTERS; HISTOCYTOCHEMISTRY; INDICATORS AND REAGENTS; INSULIN (metabolism); ISLANDS OF LANGERHANS (physiopathology); ZINC (metabolism).

**Lebon F**

KK MICE AS A MODEL OF MICROANGIOPATHIC LESIONS IN DIABETES. Duhault J, Lebon F, Boulanger M *Bibl Anat* 11:453-8, 1973 (Eng)

**Le Cam-Sagniez M**

[PURIFICATION AND KINETIC PROPERTIES OF MYCOBACTERIUM PHLEI PYRUVATE KINASE] Dudouet D, Le Cam-Sagniez M, Bernard S *Biochimie* 55:637-42, 1973 (Fre)

**Lee R**

CARBOHYDRATE METABOLISM IN LACTIC STREPTOCOCCI: FATE OF GALACTOSE SUPPLIED IN FREE OR DISACCHARIDE FORM. Lee R, Molskness T, Sandine WE, El-likier PR *Appl Microbiol* 26:951-8, Dec 73 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); CARBOHYDRATE ISOMERASES (metabolism); CARBOHYDRATES (metabolism); CARBON DIOXIDE (biosynthesis); CARBON RADIOISOTOPES; CHROMATOGRAPHY, PAPER; DISACCHARIDES (metabolism); ELECTRON TRANSPORT; FUCOSE (pharmacodynamics); GALACTOSE (metabolism); GLUCOSE (biosynthesis, metabolism); HEXOSEPHOSPHATES (biosynthesis); LACTOSE (metabolism); MALTOSE (metabolism); MANNOSE (metabolism); OXIDATIVE PHOSPHORYLATION; PHOSPHONOLPYRUVATE (metabolism); PHOSPHOTRANSFERASES (metabolism); SPECIES SPECIFICITY; STREPTOCOCCUS (enzymology, metabolism); STREPTOCOCCUS LACTIS (enzymology, metabolism).

**Lefebvre P**

[EXPLORATION OF HYPOGLYCEMIA] Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)

**Lemaire S**

PHOSPHORYLATION OF ADENOHYPHYSAL PLASMA MEMBRANES AND PROPERTIES OF AS-

SOCIATED PROTEIN KINASE. Lemay A, Deschenes M, Lemaire S, Poirier G, Poulin L, Labrie F *J Biol Chem* 249:323-8, 10 Jan 74 (Eng)

**Lemann J Jr**

THE EFFECT OF GLUCOSE ON URINARY CATION EXCRETION DURING CHRONIC EXTRACELLULAR VOLUME EXPANSION IN NORMAL MAN. Lennon EJ, Lemann J Jr, Piering WF, Larson LS *J Clin Invest* 53:1424-33, May 74 (Eng)

**Lemay A**

PURIFICATION OF ADENOHYPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED ADENYLATE CYCLASE. Poirier G, De Lean A, Pelletier G, Lemay A, Labrie F *J Biol Chem* 249:316-22, 10 Jan 74 (Eng)

PHOSPHORYLATION OF ADENOHYPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED PROTEIN KINASE. Lemay A, Deschenes M, Lemaire S, Poirier G, Poulin L, Labrie F *J Biol Chem* 249:323-8, 10 Jan 74 (Eng)

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**Lennon EJ**

THE EFFECT OF GLUCOSE ON URINARY CATION EXCRETION DURING CHRONIC EXTRACELLULAR VOLUME EXPANSION IN NORMAL MAN. Lennon EJ, Lemann J Jr, Piering WF, Larson LS *J Clin Invest* 53:1424-33, May 74 (Eng)

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**Lepisto P**

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

**Levey GS**

SULFONYLUREAS AND THE HEART. Levey GS, Lasseter KC, Palmer RF *Annu Rev Med* 25:69-74, 1974 (Eng) [24]

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### Levins R

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### Levins R

DISCUSSION PAPER: THE QUALITATIVE ANALYSIS OF PARTIALLY SPECIFIED SYSTEMS. Levins R *Ann NY Acad Sci* 231:123-38, 1974 (Eng)

CYBERNETICS; DIABETES MELLITUS (physiopathology); FEEDBACK; MATHEMATICS; MODELS, BIOLOGICAL; PEST CONTROL, BIOLOGICAL; SYSTEMS ANALYSIS; WATER POLLUTION (prevention & control).

### Levy AA

ENFLURANE (ETHRANE) AND ISOFLURANE (FORANE): A COMPARISON WITH NINE GENERAL ANAESTHETICS DURING STRESS OF HYPOXIA (SPONTANEOUS BREATHING). Dobkin AB, Byles PH, Levy AA *Can Anaesth Soc J* 20:782-97, Nov 73 (Eng)

### Liakh LO

[CHANGES IN THE CARBOHYDRATE AND FAT METABOLIC INDICES, THE STATE OF THE SYMPATHO-ADRENAL SYSTEM AND OXIDATIVE PROCESS UNDER THE EFFECT OF COLD OF DIFFERENT INTENSITIES] Liakh LO *Fiziol Zh* 19:503-10, Jul-Aug 73 (Ukr)

ADRENAL GLANDS (physiology); BLOOD SUGAR; BODY TEMPERATURE; CARBOHYDRATES (metabolism); COLD; FATS (metabolism); OXYGEN CONSUMPTION; RATS; SYMPATHETIC NERVOUS SYSTEM (physiology).

### Lichtenstein B

THE INFLUENCE OF BLOOD FLOW ON THE ABSORPTION OF 3-O-METHYLGLUCOSE FROM THE JEJUNUM OF THE RAT. Lichtenstein B, Winne D *Naunyn Schmiedeberg Arch Pharmacol* 279:153-72, 14 Sep 73 (Eng)

BLOOD PROTEINS (metabolism); BLOOD SUGAR; CARBON RADIOISOTOPES; GLUCOSE (metabolism); INTESTINAL ABSORPTION; JEJUNUM (metabolism, blood supply); KINETICS; METHYLGLYCOSIDES (metabolism); MODELS, BIOLOGICAL; NITROGEN; OXYGEN CONSUMPTION; PERFUSION; PERMEABILITY; POLYETHYLENE GLYCOLS; PROTEIN BINDING; PYRANS (pharmacodynamics); RATS; REGIONAL BLOOD FLOW; SOLUTIONS.

### Liebecq C

KINETICS AND MECHANISM OF THE EXCHANGE REACTIONS CATALYSED BY THE OXOGLUTARATE TRANSLOCATOR OF RAT-HEART MITOCHONDRIA. Sluse FE, Liebecq C *Biochimie* 55:747-54, 1973 (Eng)

### Like AA

PANCREATIC BETA CELL REPLICATION INDUCED BY GLUCOCORTICOID IN SUBHUMAN PRIMATES. Like AA, Chick WL *Am J Pathol* 75:329-48, May 74 (Eng)

AUTORADIOGRAPHY; BLOOD SUGAR (analysis); CYTOPLASMIC GRANULES; DELAYED-ACTION PREPARATIONS; INSULIN (analysis, secretion); ISLANDS OF LANGERHANS (analysis, cytology, drug effects); MACACA; METHYL-PREDNISOLONE (administration & dosage, pharmacodynamics); MITOSIS; MONKEYS; PICOLINIC ACIDS (pharmacodynamics); POLYETHYLENE GLYCOLS (pharmacodynamics); SODIUM CHLORIDE (pharmacodynamics); THYMIDINE (metabolism); TRITIUM; VEHICLES.

### Likhite VV

SERUM IRON LEVELS IN OSTENSIBLY NORMAL PEOPLE. Crosby WH, Likhite VV, O'Brien JE, Forman D *JAMA* 227:310-2, 21 Jan 74 (Eng)

### Liljenquist JE

A MODEL OF THE KINETICS OF INSULIN IN MAN. Sherwin RS, Kramer KJ, Tobin JD, Insel PA, Liljenquist JE, Berman M, Andres R *J Clin Invest* 53:1481-92, May 74 (Eng)

### Limanskaia GF

[LACTIC ACIDOSIS IN DIABETES MELLITUS (REVIEW OF THE LITERATURE)] Limanskaia GF, Cheban AK *Probl Endokrinol (Mosk)* 19:106-9, Jul-Aug 73 (Rus)

ACIDOSIS, DIABETIC (complications, diagnosis, drug therapy, etiology, metabolism); ADRENAL CORTEX HORMONES (therapeutic use); ADULT; AGE FACTORS; AGED; ANOXEMIA (complications); BICARBONATES (therapeutic use); BIGUANIDES (adverse effects); DIABETIC COMA (diagnosis); DIAGNOSIS, DIFFERENTIAL; GLYCOLYSIS; INSULIN (adverse effects, therapeutic use); LACTATES (adverse effects, metabolism); METFORMIN (adverse effects); MIDDLE AGE; OXYGEN INHALATION THERAPY; PHENFORMIN (adverse effects); PYRUVATES (metabolism); SULFANILAMIDE (adverse effects).

### Limorskaya SA

ASSESSORS OF FETAL PERINATAL MORTALITY IN DIABETIC PREGNANCY. ANALYSIS OF 1,332 PREGNANCIES IN THE COPENHAGEN SERIES, 1946-1972. Juhasz P, Limorskaya SA, Anan'eva LN, Kozlov YV, Georgiev GP *Diabetes* 23:302-5, Apr 74 (Eng)

### Lin JK

STUDIES ON THE EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE ATHEROSCLEROSIS INDUCED BY CHOLESTEROL FEEDING IN RABBITS. II. EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE FORMATION OF ATHEROSCLEROSIS. Lin JK, Hsu CY, Huang CH, Chiang HH, Tung TC *J Formosan Med Assoc* 72:472-9, Sep 73 (Eng)

ARTERIOSCLEROSIS (chemically induced, pathology, prevention & control); BUTYRATES (therapeutic use); CHOLESTEROL, DIETARY; ORGAN WEIGHT; RABBITS; RIBOFLAVIN (therapeutic use).

### Lind T

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

### Lindahl SO

AN IN-VITRO METHOD OF INVESTIGATING THE RATES OF TRANSCAPILLARY EXCHANGE AND NET FILTRATION BY SINGLE-INJECTION TECHNIQUE. Aberg B, Lindahl SO *Ups J Med Sci* 78:145-9, Jul 73 (Eng)

### Lindberg LA

LEAD AND SOME OTHER METALS IN THE HISTOCHEMICAL DEMONSTRATION OF RAT LIVER GLUCOGEN PHOSPHORYLASE ACTIVITY. Lindberg LA *Histochemie* 36:347-53, 1973 (Eng)

GLUCOGEN PHOSPHORYLASE (analysis); HISTOCYTOCHEMISTRY; IRON; LEAD; LIVER (enzymology); MOLECULAR WEIGHT; RATS. HISTOCHEMICAL DEMONSTRATION OF RAT LIVER GLUCOGEN PHOSPHORYLASE AC-

TIVITY WITH IRON (FE00). Lindberg LA *Histochemie* 36:355-65, 1973 (Eng)

GLUCOGEN PHOSPHORYLASE (analysis); HISTOCYTOCHEMISTRY; IRON; LIVER (enzymology); METHODS; RATS.

### Lindblad LE

LETTER: GLUCOSE INTOLERANCE AND PERIPHERAL GLUCOSE UPTAKE IN ACUTELY INTOXICATED ALCOHOLICS. Eriksson CE, Hed R, Lindblad LE, Nygren A, Sundblad L *Lancet* 1:811-2, 27 Apr 74 (Eng)

### Lindsay RH

STIMULATION OF TSH RELEASE AND GLUCOSE OXIDATION IN PITUITARIES FROM THYROIDECTOMIZED RATS BY THYROTROPIN RELEASING FACTOR (TRF). Dubovsky EV, Beschi RJ, Pittman JA, Lindsay RH *Ala J Med Sci* 10:270-7, Jul 73 (Eng)

### Lindsey CA

GLUCAGON AND THE INSULIN: GLUCAGON RATIO IN SEVERE TRAUMA. Lindsey CA, Faloona GR, Unger RH *Trans Assoc Am Physicians* 86:264-71, 1973 (Eng)

ADOLESCENCE; ADRENERGIC ALPHA RECEPTOR BLOCKADERS (therapeutic use); ADRENERGIC BETA RECEPTOR BLOCKADERS (therapeutic use); ADULT; AGED; BLOOD SUGAR (metabolism); DOGS; GLUCAGON (blood); INSULIN (blood); MIDDLE AGE; PHENTOLAMINE (therapeutic use); PROPRANOLOL (therapeutic use); SHOCK, HEMORRHAGIC (blood, drug therapy); SHOCK, TRAUMATIC (blood).

### Lisch HJ

[BASAL AND NORADRENALIN-STIMULATED LIPOLYSIS IN ISOLATED HUMAN FAT CELLS UNDER ISOCALORIC AND HYPOCALORIC DIET (AUTHORS TRANSL)] Lisch HJ, Dittrich P, Sailer S, Sandhofer F, Braunsteiner H *Klin Wochenschr* 51:735-7, 15 Jul 73 (Ger)

ABDOMEN; ADIPOSE TISSUE (cytology, metabolism, drug effects); ADULT; DIET; DIET, REDUCING; ENERGY METABOLISM; FASTING; FATTY ACIDS, NONESTERIFIED (metabolism); LIPASE (metabolism); LIPID MOBILIZATION (drug effects); LIPIDS (metabolism); MIDDLE AGE; NOREPINEPHRINE (pharmacodynamics); STIMULATION, CHEMICAL.

### Little HL

COMPLICATIONS OF ARGON LASER PHOTOCOAGULATION. Zweng HC, Little HL, Hammond AH *Trans Am Acad Ophthalmol Otolaryngol* 78:OP195-204, Mar-Apr 74 (Eng)

### Lloyd JW

ACTIONS OF MORPHINE ON PROSTATE GLAND FRUCTOSE METABOLISM. Dombrosky JT, Thomas JA, Mawhinney MG, Lloyd JW *Life Sci* 13:795-804, 1 Oct 73 (Eng)

### Loeb JN

THE HYPEROSMOLAR STATE. Loeb JN *N Engl J Med* 290:1184-7, 23 May 74 (Eng) [6]

ALCOHOL, ETHYL (metabolism); BLOOD SUGAR (metabolism); BODY FLUIDS (metabolism); CHEMISTRY, PHYSICAL; GLUCOSE (metabolism); HYPERGLYCEMIA (metabolism, therapy); HYPERNATREMIA (metabolism); OSMOLAR CONCENTRATION; SODIUM (blood, metabolism); SYNDROME; UREA (blood, metabolism); WATER-ELECTROLYTE BALANCE.

### Lohmann D

[INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM] Verloren HJ, Lohmann D, Bruckner U, Pohl A, Bemm H *Dtsch Z Verdau Stoffwechselk* 33:89-95, 1973 (Ger)

## Diabetes Literature—Author Index

Mace J

### Long C

STUDIES OF GLUCOSE INTOLERANCE IN SEPTIC INJURED PATIENTS. Gump FE, Long C, Killian P, Kinney JM *J Trauma* 14:378-88, May 74 (Eng)

### Lorenz D

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)] Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena)* 46:15-24, 1973 (Ger)

DENERVATION; FLUORESCENT ANTIBODY TECHNIC; GLUCAGON (biosynthesis); HISTOCYTOCHEMISTRY; ISLANDS OF LANGERHANS (metabolism, cytology); RABBITS (immunology); RATS; STAINS AND STAINING; SWINE (immunology); VAGOTOMY; VAGUS NERVE (physiology).

[THE HISTOCHEMICAL EVIDENCE OF INSULIN IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)] Dorn A, Lorenz D, Petermann J, Beckert R *Acta Histochem (Jena)* 46:42-8, 1973 (Ger)

### Lott JA

LETTER: IMPROVED TECHNIQUE FOR SERUM GLUCOSE ASSAY ON AUTOANALYZER. Lott JA, Mercier JE, Durham BW *Clin Chem* 20:94-5, 1974 (Eng)

AUTOANALYSIS; BLOOD SUGAR (analysis); CALCIUM (analysis); EVALUATION STUDIES; GLASS; INDICATORS AND REAGENTS; LIGHT; METHODS; SPECTROPHOTOMETRY; ATOMIC ABSORPTION.

### Lo Vecchio L

ENZYMES OF GLUCOSE METABOLISM IN LIVER OF SUBJECTS WITH ADULT-ONSET DIABETES. Belfiore F, Romeo F, Napoli E, Lo Vecchio L *Diabetes* 23:293-301, Apr 74 (Eng)

INCREASED UROPEPSINOGEN EXCRETION IN DIABETES MELLITUS. Belfiore F, Lo Vecchio L, Napoli E, Borzi V, Rabuazzo AM *Clin Chem* 20:610-2, May 74 (Eng)

### Lowy C

PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE. Nunes-Correa J, Lowy C, Sonksen PH *Lancet* 1:837-41, 4 May 74 (Eng)

### Lozano-Castaneda O

[LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLORPROPAMIDE-METFORMIN] Schulte J, Garcia Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)

### Lucas FV

EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS. Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)

### Lucke C

[THE EFFECT OF MORPHINE, PETHIDINE AND CLORPROMAZINE ON THE HYPOTHALAMO-PITUITARY-ADRENAL SYSTEM (AUTHORS TRANSL.)] Morgner KD, Fissan H, Lucke C *Klin Wochenschr* 51:1205-7, 15 Dec 73 (Ger)

### Lulczynska K

[EFFECT OF INSULIN DEFICIENCY ON PHOSPHORUS LEVEL IN CASEIN IN GOAT MILK] Nowak J, Lulczynska K *Pol Arch Weter* 16:193-9, 1973 (Pol)

### Luly P

A STUDY OF THE HORMONAL CONTROL IN VITRO OF NaO-KO ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

### Lum G

A COMPARISON OF SERUM VERSUS HEPARINIZED PLASMA FOR ROUTINE CHEMISTRY TESTS. Lum G, Gambino SR *Am J Clin Pathol* 61:108-13, Jan 74 (Eng)

ALANINE AMINOTRANSFERASE (blood); ALKALINE PHOSPHATASE (blood); AMYLASE (blood); ASPARTATE AMINOTRANSFERASE (blood); BILIRUBIN (blood); BLOOD CHEMICAL ANALYSIS; BLOOD PROTEINS (analysis); BLOOD SUGAR; CALCIUM (blood); CARBON DIOXIDE (blood); CHLORIDES (blood); CHOLESTEROL (blood); CREATINE KINASE (blood); CREATININE (blood); HEPARIN (administration & dosage); LACTATE DEHYDROGENASE (blood); PHOSPHORUS (blood); PLASMA (analysis); POTASSIUM (blood); SERUM ALBUMIN (analysis); SODIUM (blood); TRIGLYCERIDES (blood).

### Lutherer LO

COLD-INDUCED THERMOGENESIS IN DOGS: ITS REDUCTION BY MODERATE HYPOXIA. Blatteis CM, Lutherer LO *J Appl Physiol* 35:608-12, Nov 73 (Eng)

### Lutz W

[CHEMICAL SYNTHESIS AND PROPERTIES OF PEPTIDIC HORMONE ANALOGUES (AUTHORS TRANSL.)] Lutz W, Klyszejko-Stefanowicz L *Postepy Biochem* 20:35-66, 1974 (Pol)

AMINO ACID SEQUENCE; ANGIOTENSIN II (chem synthesis); BRADYKININ (chem synthesis); CHEMISTRY; CORTICOTROPIN (chem synthesis); DIPEPTIDES (chem synthesis); HORMONES (chem synthesis); INSULIN (chem synthesis); INTERNATIONAL COOPERATION; METHODS; MOLECULAR WEIGHT; NOMENCLATURE; OXYTOCIN (chem synthesis); PEP-TIDES (chem synthesis); SWINE; VASOPRESSIN (chem synthesis).

### Luyckx A

GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY. Gaspard U, Sandront H, Luyckx A *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)

[EXPLORATION OF HYPOGLYCEMIA] Luyckx A, Lefebvre P *Rev Med Liege* 29:227-33, 15 Apr 74 (Fre)

ARGININE (diagnostic use); BLOOD SUGAR; DIAZOXIDE (diagnostic use); DIET; FASTING; GLUCAGON (diagnostic use); HORMONES, EC-TOPIC (secretion); HYPOGLYCEMIA (blood, diagnosis); INSULIN (blood, secretion); ISLET CELL TUMOR (diagnosis); LEUCINE (diagnostic use); MEDICAL HISTORY TAKING; PAN-CREATIC NEOPLASMS (diagnosis); PHYSICAL EXAMINATION; TIME FACTORS; TOLBUTAMIDE (diagnostic use).

### Luzikov VN

STABILIZATION OF THE ENZYMATIC SYSTEMS OF THE INNER MITOCHONDRIAL MEMBRANE AND RELATED PROBLEMS. A POSSIBLE APPROACH TO THE PROBLEM OF THE REGULATION OF MITOCHONDRIAL FORMATION. Luzikov VN *Subcell Biochem* 2:1-31, Jan 73 (Eng) [124]

ELECTRON TRANSPORT (drug effects); HEAT; MEMBRANES (drug effects, enzymology); MITOCHONDRIA (drug effects, enzymology);

OXIDATIVE PHOSPHORYLATION (drug effects); PEPTIDE HYDROLASES (pharmacodynamics); PHOSPHOLIPASE (pharmacodynamics); SNAKES; TRYPSIN (pharmacodynamics); VENOMS.

### Lyngsøe J

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH INTRAVENOUS INSULIN] Fabricius-Bjerre N, Krabbe S, Lyngsøe J, Thomsen AC *Ugeskr Læger* 136:188-92, 21 Jan 74 (Dan)

### McCarty DJ

DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION. McCarty DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)

ADULT; AGED; CALCIUM (blood, urine); CHONDROCALCINOSIS (blood, urine, complications); CREATININE (blood, urine); DIABETES MELLITUS (complications); GOUT (complications); HEMOCHROMATOSIS (complications); HYPERPARATHYROIDISM (complications); HYPERTENSION (complications); IRON (blood); MAGNESIUM (blood, urine); MIDDLE AGE; OSTEOARTHRITIS (complications); PARATHYROID HORMONE (blood, urine); PHOSPHORUS (blood, urine); URIC ACID (blood).

### McCarty E

NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW. Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

### Macchi IA

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi IA *J Cell Biol* 60:685-94, Mar 74 (Eng)

### McClure AM

KINETIC ANALYSIS OF PARTIALLY PURIFIED GLUCOSE-6-PHOSPHATE DEHYDROGENASES FROM RAT MUSCLE, ADIPOSE TISSUE AND LIVER, AND FROM BAKERS YEAST. Geisler RW, McClure AM, Hansen RJ *Biochim Biophys Acta* 327:1-10, 15 Nov 73 (Eng)

### McConnell HM

LATERAL PHASE SEPARATIONS IN MEMBRANES. Shimshick EJ, Kleemann W, Hubbell WL, McConnell HM *J Supramol Struct* 1:285-94, 1973 (Eng)

### McCreary SA

CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN. Spellacy WN, Buhl WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

### MacDonald MJ

LETTER: NEONATAL DIABETES. MacDonald MJ *Lancet* 1:737, 20 Apr 74 (Eng)

BIRTH WEIGHT; DEFICIENCY DISEASES (complications); DIABETES MELLITUS, JUVENILE (familial & genetic, etiology); FETAL DISEASES (etiology); FETUS (growth & development); INFANT, NEWBORN, DISEASES; INSULIN (physiology); MATERNAL-FETAL EXCHANGE; PREGNANCY; PREGNANCY IN DIABETES (complications).

### Mace J

LETTER: PATHOGENESIS OF OBESITY IN PRADER-WILLI SYNDROME. Mace J, Gotlin RW, Dubois R *J Pediatr* 84:927-8, Jun 74 (Eng)

## Diabetes Literature—Author Index

### MacElroy RD

ANTIGENS (analysis); BLOOD SUGAR (analysis); CARBOHYDRATE METABOLISM, INBORN ERRORS (complications); CHILD; INSULIN (blood); MENTAL RETARDATION (complications); OBESITY (etiology); PHOSPHORUS (blood); SOMATOTROPIN (blood); SYNDROME.

### MacElroy RD

REGULATION IN THE CHEMOLITHOTROPH THIOBACILLUS NEAPOLITANUS: FRUCTOSE 1,6-DIPHOSPHATASE. Johnson EJ, MacElroy RD *Arch Mikrobiol* 93:23-8, 4 Oct 73 (Eng)

### McGaugh JL

EFFECTS OF FOOD DEPRIVATION, DISCRIMINATION EXPERIENCE AND PHYSOSTIGMINE ON CHOLINE ACETYLASE AND ACETYLCHOLINE ESTERASE IN THE DORSAL HIPPOCAMPUS AND FRONTAL CORTEX OF RATS. Izquierdo JA, Baratti CM, Torrelío M, Arevalo L, McGaugh JL *Psychopharmacologia* 33:103-10, 23 Oct 73 (Eng)

### McGuigan JE

THE HUMAN PANCREATIC ISLET CELLS AND THEIR TUMORS. II. ULCEROGENIC AND DIARRHOEAGENIC TUMORS. Greider MH, Rosai J, McGuigan JE *Cancer* 33:1423-43, May 74 (Eng)

### McIntosh R

VASCULARIZED TRANSPLANTATION OF THE RAT PANCREAS WITHOUT DUODENUM. Nozawa M, Weil R 3d, McIntosh R, Reemtsma K *Transplantation* 17:137-40, 1 Jan 74 (Eng)

### McKeown BA

INFLUENCE OF EXOGENOUS GROWTH HORMONE AND ITS ANTISERUM ON PLASMA FREE FATTY ACID LEVEL IN THE PIGEON. John TM, McKeown BA, George JC *Comp Biochem Physiol [A]* 46:497-504, 1 Nov 73 (Eng)

### McKibbin JB

STIMULATION OF ENZYME SYNTHESIS AND INHIBITION OF DNA SYNTHESIS AND GROWTH RATE BY CYCLIC AMP DERIVATIVES IN CULTURED HEPATOMA CELLS. Wicks WD, Wijk R van, McKibbin JB *Adv Enzyme Regul* 11:117-35, 1973 (Eng)

### McLeod KI

THE EFFECT OF MATERNAL MALNUTRITION ON THE PROGENY IN THE RAT. STUDIES IN VITRO OF ADIPOSE TISSUE LIPOGENESIS AND LIPOPROTEIN LIPASE ACTIVITY FOLLOWING FRUCTOSE FEEDING. McLeod KI, Nestel PJ, Goldrick RB *Aust J Exp Biol Med Sci* 51:811-24, Dec 73 (Eng)

ADIPOSE TISSUE (enzymology, metabolism); AGE FACTORS; CARBON RADIOISOTOPES; DIET; EPIDIDYMIS (enzymology, metabolism); FASTING; FATTY ACIDS (biosynthesis); FRUCTOSE; GLUCOSE (metabolism); GLYCERIDES (biosynthesis); GLYCERIN (biosynthesis); INSULIN (pharmacodynamics); LIPIDS (blood, biosynthesis); LIPOPROTEIN LIPASE (metabolism); PROTEIN DEFICIENCY (blood, enzymology, metabolism, congenital); RATS.

### McMurtry RJ

LETTER: PROPRANOLOL, HYPOGLYCEMIA, AND HYPERTENSIVE CRISIS. McMurtry RJ *Ann Intern Med* 80:669-70, May 74 (Eng)

DIABETES MELLITUS (complications); DRUG SYNERGISM; HYPERTENSION (drug therapy); HYPOGLYCEMIA (chemically induced); INSULIN (therapeutic use); MIDDLE AGE; PROPRANOLOL (adverse effects); STRESS (complications).

### MacPherson A

SOME EFFECTS OF FEEDING YOUNG STEERS ON A DIET DEFICIENT IN BOTH COBALT AND COPPER. MacPherson A, Moon FE, Voss RC *Br Vet J* 129:414-26, Sep-Oct 73 (Eng)

ALKALINE PHOSPHATASE (blood); ANIMAL FEED; APPETITE; ASPARTATE AMINOTRANSFERASE (blood); BLOOD SUGAR; BODY WEIGHT; CALCIUM (blood); CATTLE; CATTLE DISEASES (etiology); COBALT (therapeutic use); COPPER (blood); DEFICIENCY DISEASES (drug therapy, veterinary); DIET; HEMOGLOBINOMETRY; MAGNESIUM (blood); PHOSPHORUS (blood); VITAMIN B 12 (blood, therapeutic use).

### McRae CU

THE DIABETIC BLADDER. Buck AC, McRae CU, Chisholm GD *Proc R Soc Med* 67:81-3, Jan 74 (Eng)

### Madsen PO

ABSORPTION AND EXCRETION OF SORBITOL AND MANNITOL IN TRANSURETHRAL RESECTION OF THE PROSTATE. Madsen PO, Naber KG *Invest Urol* 11:331-5, Jan 74 (Eng)

BLOOD SUGAR (analysis); DIURESIS; HYPOTONIC SOLUTIONS; IRRIGATION; ISOTONIC SOLUTIONS; MANNITOL (metabolism); OSMOLAR CONCENTRATION; PROSTATE (metabolism, surgery); SORBITOL (metabolism); TIME FACTORS; URETHRA.

### Mahaffee D

THE MECHANISM OF ACTION OF ADRENOCORTICOTROPIC HORMONE. THE ROLE OF MITOCHONDRIAL CHOLESTEROL ACCUMULATION IN THE REGULATION OF STEROIDOGENESIS. Mahaffee D, Reitz RC, Ney RL *J Biol Chem* 249:227-33, 10 Jan 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADRENAL GLANDS (cytology, drug effects, metabolism); AMINOGLUTETHIMIDE (pharmacodynamics); CHOLESTEROL (metabolism); CHROMATOGRAHY, GAS; CORTICOTROPIN (pharmacodynamics); CYCLOHEXIMIDE (pharmacodynamics); CYTOSOL (metabolism); DIBUTYRYL CYCLIC AMP (pharmacodynamics); HYPOPHYSECTOMY; MICROSCOPY, ELECTRON; MITOCHONDRIA (drug effects, metabolism); PITUITARY GLAND (physiology); PREGNENOLONE (biosynthesis); RATS; SUBCELLULAR FRACTIONS (drug effects, metabolism); SWINE; TIME FACTORS.

### Mainz D

PANCREATIC CARCINOMA. A REVIEW OF ETIOLOGIC CONSIDERATIONS. Mainz D, Webster PD 3d *Am J Dig Dis* 19:459-64, May 74 (Eng)

ACUTE DISEASE; ALCOHOLISM (complications); ANIMALS, DOMESTIC; CARBOHYDRATES (metabolism); CARCINOGENS; CHEMICAL INDUSTRY; CHOLELITHIASIS (complications); CHRONIC DISEASE; COMMON BILE DUCT CALCULI (complications); DIABETES MELLITUS (complications); ENVIRONMENTAL EXPOSURE; OCCUPATIONAL DISEASES (etiology); PANCREATIC NEOPLASMS (occurrence, veterinary, etiology); PANCREATITIS (complications); SARCOMA (etiology); SMOKING (complications); TOBACCO.

### Majerus PW

THE REGULATION OF FATTY ACID SYNTHESIS IN HUMAN SKIN FIBROBLASTS. INHIBITION OF FATTY ACID SYNTHESIS BY FREE FATTY ACIDS. Jacobs RA, Majerus PW *J Biol Chem* 248:8392-401, 25 Dec 73 (Eng)

### Majumder PK

EFFECT OF CERTAIN METABOLIC REGULATORS ON THE ACTIVITY OF LYSOSOMAL ENZYMES IN REGENERATING RAT LIVER. Chatterjee J, Pal DR, Majumder PK, Chatterjee GC *Biochem Pharmacol* 23:752-4, 1 Feb 74 (Eng)

### Makovskii VG

[CHARACTERISTICS OF CLINICAL COURSE AND SURGICAL TREATMENT OF THE URINARY TRACT DISEASES IN PATIENTS WITH DIABETES MELLITUS] Serniak PS, Makovskii VG, Chumak GO *Sov Med* 36:94-9, Nov 73 (Rus)

### Makris A

GROWTH HORMONE LEVELS IN VITAMIN B6-DEFICIENT RATS. Makris A, Gershoff SH *Horm Metab Res* 5:457-61, Nov 73 (Eng)

BODY WEIGHT; DIET; HYPOTHALAMOHYPOPHYSAL SYSTEM (drug effects); MONKEYS; PENTOBARBITAL (pharmacodynamics); PITUITARY GLAND (analysis); PYRIDOXINE DEFICIENCY (blood); RADIOIMMUNOASSAY; RATS; SOMATOTROPIN (analysis, blood); TIME FACTORS.

### Malbon CG

INTERACTIONS OF PARATHYROID HORMONE AND PLASMA MEMBRANES FROM RAT KIDNEY. Malbon CG, Zull JE *Biochem Biophys Res Commun* 56:952-8, 27 Feb 74 (Eng)

AMIDINES; BINDING SITES; CATTLE; CELL MEMBRANE (drug effects, metabolism); CORTICOTROPIN (pharmacodynamics); GEL FILTRATION; GLUCAGON (pharmacodynamics); INSULIN (pharmacodynamics); KIDNEY (cytology, drug effects, metabolism); PARATHYROID HORMONE (metabolism); RATS; RECEPTORS, HORMONE; TIME FACTORS; TRITIUM.

### Mallinson CN

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMY PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV. *Hall R Lancet* 1:697-701, 20 Apr 74 (Eng)

### Mamaeva GG

[INFLAMMATORY DISEASES OF THE URINARY ORGANS IN PATIENTS WITH DIABETES MELLITUS] Spesivtseva VG, Mamaeva GG, Baranchikova NA, Ialysheva NI *Sov Med* 36:103-7, Oct 73 (Rus)

### Mandache F

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ADRENAL GLANDS (physiopathology); CEREBRAL CORTEX (physiopathology); CORTICOTROPIN (pharmacodynamics); DIENCEPHALON (physiopathology); DUODENAL ULCER (etiology, physiopathology, surgery); GASTRECTOMY; GASTRIC ACIDITY DETERMINATION; GASTRIC JUICE (secretion); INSULIN (pharmacodynamics); JEJUNUM (surgery); PITUITARY GLAND (physiopathology); PYLORIC ANTRUM (surgery); STOMACH (physiopathology); VAGOTOMY; VAGUS NERVE (physiopathology).

**Mandell F**

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**Manns JG**

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**Mansour TE**

**PHOSPHOFRUCTOKINASE.** Mansour TE *Curr Top Cell Regul* 5:1-46, 1972 (Eng) [143]  
**ADENOSINE TRIPHOSPHATE; ALLOSTERIC REGULATION; AMINO ACIDS (analysis); BINDING SITES; CITRATES; ENZYME ACTIVATION; EPINEPHRINE (pharmacodynamics); FASCIOLA HEPATICA (enzymology); GLYCOLYSIS; HEART (drug effects); HYDROGEN-ION CONCENTRATION; KINETICS; LIGANDS; MATHEMATICS; MOLECULAR WEIGHT; MYOCARDIUM (enzymology); ORGAN SPECIFICITY; PHOSPHOFRUCTOKINASE (analysis, metabolism); PROTEIN BINDING; SEROTONIN (pharmacodynamics); SPECIES SPECIFICITY; SULF-HYDRYL COMPOUNDS; ULTRACENTRIFUGATION.**

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**Marigo S**

**[PROCEEDINGS: USE OF THE ENZYMIC DETERMINATION OF GLYCEMIA WITH THE DEXTROSTIX-REFLECTANCE METER IN MASS SCREENING FOR DIABETES MELLITUS]** Marigo S, Del Nevo G, Bini PP *Quad Scavo Diagn* 9:95-102, Mar 73 (Ita)

**ADOLESCENCE; ADULT; AGED; BLOOD SUGAR; DIABETES MELLITUS (diagnosis, enzymology); GLUCOSE TOLERANCE TEST (instrumentation); MASS SCREENING; METHODS; MIDDLE AGE; PREDIABETIC STATE (diagnosis, enzymology).**

**Markiewicz M**

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**Marks LJ**

**HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA.** Marks LJ, Steink J, Podolsky S, Egdahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)

**ABDOMINAL NEOPLASMS (complications); ADULT; BLOOD SUGAR (analysis); BODY WEIGHT; FATTY ACIDS, NONESTERIFIED; FIBROSARCOMA (complications); GLUCAGON (diagnostic use); GLUCOSE TOLERANCE TEST; HODGKINS DISEASE (complications); HYPOGLYCEMIA (blood, etiology); INSULIN (blood); ISLET CELL TUMOR (complications); LACTATES (blood); LIVER GLYCOGEN (analysis); MELANOMA (complications); MIDDLE AGE; NEOPLASM METASTASIS; NEOPLASTIC ENDOCRINE-LIKE SYNDROMES; PANCREATIC NEOPLASMS (complications); SOMATOTROPIN (blood).**

**Marque G**

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**Marsh DJ**

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**Martensen TM**

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**ADENOSINE MONOPHOSPHATE; BINDING, COMPETITIVE; BINDING SITES; CHYMOTRYPSIN; EDTA; ELECTROPHORESIS, PAPER; FLUORIDES; GEL FILTRATION; GLUCOSEPHOSPHATES; GLYCOGEN PHOSPHORYLASE; KINETICS; MAGNESIUM; MANGANESE; MUSCLES (enzymology); PHOSPHATASES (antagonists & inhibitors); PHOSPHATES; PHOSPHOPEPTIDES (isolation & purification); PHOSPHORUS RADIOISOTOPES; PROTEIN BINDING.**

**KINETIC STUDIES OF THE ACTIVATION OF MUSCLE PHOSPHORYLASE PHOSPHATASE.** Martensen TM, Brotherton JE, Graves DJ *J Biol Chem* 248:8329-36, 25 Dec 73 (Eng)

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**Martin AP**

**EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS.** Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)

**Martin TJ**

**STIMULATION OF GROWTH HORMONE RELEASE FROM SUPERFUSED RAT PITUITARY BY EXTRACTS OF HYPOTHALAMUS AND OF HUMAN LUNG TUMOURS.** Beck C, Larkins RG, Martin TJ, Burger HG *J Endocrinol* 59:325-33, Nov 73 (Eng)

**Martin W**

**[DIABETIC COMA]** Martin W *Schwed Rev* 12:17-8, 15 Jan 74 (Ger)  
**DIABETIC COMA.**

**Marzi A**

**RELATIONSHIP BETWEEN INTRADUODENAL LIPOLYSIS AND GASTRIC EMPTYING.** Bustos Fernandez L, Gonzalez E, Marzi A *Acta Gastroenterol Latinoam* 5:57-60, Apr-Jun 73 (Eng)

**Mason AD Jr**

**ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY.** Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

**Massaro RP**

**HORMONAL RESPONSES TO INTRAVENOUS AND ORAL GLUCOSE TOLERANCE TESTING IN A PATIENT WITH A GASTRINOMA AND A GASTROJEJUNOSTOMY.** Massaro RP *Gastroenterology* 66:1058-62, May 74 (Eng)  
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**Matthews EK**

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**Matz R**

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**Mawhinney MG**

**ACTIONS OF MORPHINE ON PROSTATE GLAND FRUCTOSE METABOLISM.** Dombrsky JT, Thomas JA, Mawhinney MG, Lloyd JW *Life Sci* 13:795-804, 1 Oct 73 (Eng)

**Mebs D**

**[PURIFICATION AND PROPERTIES OF ISOENZYMES OF ADENYLATE KINASE]** Mebs D *Beitr Gerichl Med* 31:295-6, 1973 (Ger)  
**ADENOSINE MONOPHOSPHATE; ERYTHROCYTES (enzymology); ISOENZYMES (isolation & purification); METHODS; PHOSPHOTRANSFERASES, ATP (isolation & purification); SWINE.**

**Meen HD**

**SERUM ELECTROLYTE, FLUID AND ACID-BASE BALANCE AFTER PROLONGED HEAVY EXERCISE AT LOW ENVIRONMENTAL TEMPERATURE.** Refsum HE, Tveit B, Meen HD, Stromme SB *Scand J Clin Lab Invest* 32:117-22, Oct 73 (Eng)

**Megyesi K**

**HYPOGLYCEMIA IN ASSOCIATION WITH EXTRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA NSILA-S BY A NEW RADIORECEPTOR ASSAY.** Megyesi K, Kahn CR, Roth J, Gordon P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)  
**ACROMEGALY (blood); ADULT; GEL FILTRATION; HYPOGLYCEMIA (blood); HYPOPITUITARISM (blood); INSULIN**

## Meldolesi J

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## Meldolesi J

**STUDIES ON IN VITRO SYNTHESIS AND SECRETION OF GROWTH HORMONE AND PROLACTIN. II. EVIDENCE AGAINST THE EXISTENCE OF PRECURSOR MOLECULES.** Zanini A, Giannattasio G, Meldolesi J *Endocrinology* 91:104-11, Jan 74 (Eng)

## Mellerup ET

**HETEROGENEITY AND BIOCHEMICAL FINDINGS IN MANIC-MELANCHOLIC DISORDERS.** Mellerup ET, Rafaelsen OJ *Acta Psychiatr Scand* 50:104-11, 1974 (Eng)

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## Melnykovych G

**FACTORS AFFECTING GLYCOGEN LEVELS IN HELA CELLS: PREDNISOLONE AND ADENINE NUCLEOTIDES.** Melnykovych G, Bishop CF *J Natl Cancer Inst* 51:353-60, Aug 73 (Eng)

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## Menander-Sellman K

**EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT.** Thorngren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

## Mendizabal E

**GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS.** Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

## Mendoza SA

**EFFECT OF CHLORPROPAMIDE ON OSMOTIC WATER FLOW ACROSS TOAD BLADDER AND THE RESPONSE TO VASOPRESSIN, THEOPHYLLINE AND CYCLIC AMP.** Mendoza SA, Brown CF Jr *J Clin Endocrinol Metab* 38:883-9, May 74 (Eng)

**ADENOSINE CYCLIC 3,5 MONOPHOSPHATE** (pharmacodynamics); **BIOLOGICAL TRANSPORT** (drug effects); **BLADDER** (drug effects); **BUFO MARINUS**; **CHLORPROPAMIDE** (pharmacodynamics); **DIURESIS** (drug effects); **OSMOSIS** (drug effects); **THEOPHYLLINE** (pharmacodynamics); **VASOPRESSIN** (pharmacodynamics); **WATER**.

**LETTER: REYES SYNDROME AND ITS TREATMENT.** Mendoza SA, Schneider JA *Pediatrics* 53:769, May 74 (Eng)

**BRAIN DISEASES** (therapy); **CHILD**; **EXCHANGE TRANSFUSION**; **FATTY LIVER** (complications); **GLUCOSE** (therapeutic use); **INSULIN** (therapeutic use); **PERITONEAL DIALYSIS**; **REYES SYNDROME** (therapy).

## Menof P

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## Mercier JE

**LETTER: IMPROVED TECHNIQUE FOR SERUM GLUCOSE ASSAY ON AUTOMATIZED.** Lott JA, Mercier JE, Durham BW *Clin Chem* 20:94-5, 1974 (Eng)

## Merimee TJ

**ISOLATED GROWTH HORMONE DEFICIENCY AND RELATED DISORDERS.** Merimee TJ *Annu Rev Med* 25:137-42, 1974 (Eng) [20]  
**ADOLESCENCE**; **ADULT**; **AGE FACTORS**; **AGED**; **ARGININE** (diagnostic use); **BIRTH INJURIES** (complications); **BIRTH WEIGHT**; **BODY HEIGHT**; **DWARFISM** (classification, complications, diagnosis, familial & genetic); **DWARFISM, PITUITARY** (diagnosis); **GENES**; **RECESSIVE**; **GLUCOSE TOLERANCE TEST**; **HYPERCHOLESTEREMIA** (complications); **HYPERLIPIDEMIA** (complications); **INSULIN** (diagnostic use); **LACTATION**; **MENARCHE**; **MIDDLE AGE**; **PREGNANCY**; **PUBERTY**; **SOMATOTROPIN** (metabolism, secretion); **TRIGLYCERIDES** (blood).

## Merrifield RB

**LIPOLYTIC ACTIVITY OF MET-ARG-HIS-PHE-ARG-TRP-GLY, A SYNTHETIC ANALOG OF THE ACTH (4-10) CORE SEQUENCE.** Draper MW, Merrifield RB, Rizack MA *J Med Chem* 16:1326-30, Dec 73 (Eng)

## Mervetsov NP

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**[DEMONSTRATION OF RAT LIVER HEXOKINASE ISOENZYMES BY MEANS OF AGAR GEL ELECTROPHORESIS]** Chesnokov VN, Gordienko OE, Mervetsov NP *Vopr Med Khim* 19:498-501, Sep-Oct 13 (Rus)

## Michaelson SM

**PLASMA DISAPPEARANCE OF RADIOIODINATED DOG GROWTH HORMONE IN THE DOG.** Kramer MW, Pearson SE, Michaelson SM *Horm Metab Res* 5:470-1, Nov 73 (Eng)

## Mickelsen O

**URINARY AND FECAL EXCRETION AND INCORPORATION OF 14C-ESTRADIOL IN FAT DEPOTS OF OBESE AND LEAN RATS.** Innami S, Yang MG, Mickelsen O *Proc Soc Exp Biol Med* 144:220-4, 1 Oct 73 (Eng)

## Millar JG

**PROCEEDINGS: L-DOPA AS A TEST OF ANTERIOR PITUITARY FUNCTION.** Millar JG, Kurtz A, Aminoff MJ, Wilcox CS, Nabarro JD *J Endocrinol* 59:XXV-XXVI, Nov 73 (Eng)

**CORTICOTROPIN** (blood); **DOPA** (diagnostic use); **HYDROCORTISONE** (blood); **PITUITARY-ADRENAL FUNCTION TESTS**; **PITUITARY DISEASES** (blood); **PITUITARY GLAND FUNCTION TESTS**; **SOMATOTROPIN** (blood).

## Miller SS

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**ADENYLATE CYCLASE ACTIVATION.** Di Bella FP, Dousa TP, Miller SS, Arnaud CD *Proc Natl Acad Sci USA* 71:723-6, Mar 74 (Eng)

## Mills ES

**REDUCTION OF PLASMA CHOLESTEROL LEVELS IN MALE RETIRED BREEDER RATS BY AN ANABOLIC STEROID, OXANDROLONE.** Mills ES, Kriz BM, Jones AL *Proc Soc Exp Biol Med* 144:861-3, Dec 73 (Eng)

**ADMINISTRATION, ORAL**; **AGE FACTORS**; **ANTICHOLESTEREMIC AGENTS**; **CHOLESTEROL** (blood); **OXANDROLONE** (administration & dosage, pharmacodynamics); **RATS**.

## Mirouze J

**[PYRIDOXINE PARA-CHLORO-PHENOXY-ISOBUTYRATE ANALYSIS OF HYPOLIPIDEMIC EFFECTS]** Mirouze J, Orsetti A, Carrey E *Nouv Presse Med* 2:315-6, Dec 73 (Fre)

**CLOFIBRATE** (therapeutic use); **DIET**; **DRUG EVALUATION**; **HYPERLIPIDEMIA** (classification, drug therapy); **OBESITY** (drug therapy); **OBESITY IN DIABETES** (drug therapy); **PYRIDOXINE** (therapeutic use); **STATISTICS**.

## Mistilis SP

**ROLE OF INTESTINAL ALKALINE PHOSPHATASE IN FAT TRANSPORT.** Lam KC, Mistilis SP *Aust J Exp Biol Med Sci* 51:411-6, Jun 73 (Eng)

## Miyahara AY

**EFFECT OF MENADIONE AND OTHER FACTORS ON SUGAR-INDUCED HEART LESIONS AND HEMORRHAGIC SYNDROME IN THE PIG.** Brooks CC, Nakamura RM, Miyahara AY *J Anim Sci* 37:1344-50, Dec 73 (Eng)

## Miyai K

**[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE]** Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

## Molinier A

**[NEW ASPECTS OF THE TREATMENT OF DIABETIC RETINOPATHY]** Regnault F, Barre Y, Rietzler X, Fouquier E, Aubert P, Molinier A, Zaza M *Therapeutique* 49:505-7, Sep-Oct 73 (Fre)

## Molskness T

**CARBOHYDRATE METABOLISM IN LACTIC STREPTOCOCCI: FATE OF GALACTOSE SUPPLIED IN FREE OR DISACCHARIDE FORM.** Lee R, Molskness T, Sandine WE, El-laker PR *Appl Microbiol* 26:951-8, Dec 73 (Eng)

## Monchenko GD

**[SYMPTOMATIC AND PATHOGENETIC THERAPY IN METABOLIC ACIDOSIS]** Monchenko GD, Prutseva NV *Eksp Khir Anesteziol* 18:57-61, Nov-Dec 73 (Rus)

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**Montazami K**

[NATURAL HISTORY OF CORONARY ATHEROSCLEROSIS IN IRANIAN WORKERS] Daneche Pajouh M, Montazami K, Hedayat C, Kamali P, Pirouzmande B *Arch Mal Coeur* 66:1201-10, Sep 73 (Fre)

**Montini M**

[RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cuttica F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)

**Montois R**

[COMBINATION OF DIABETES AND SCLERODERMA] Fourrier A, Mouton YJ, Montois R, Zylberberg C, Pommelet P, Vanhille P *Sem Hop Paris* 49:2853-6, 26 Oct 73 (Fre)

**Moon FE**

SOME EFFECTS OF FEEDING YOUNG STEERS ON A DIET DEFICIENT IN BOTH COBALT AND COPPER. MacPherson A, Moon FE, Voss RC *Br Vet J* 129:414-26, Sep-Oct 73 (Eng)

**Morgner KD**

[THE EFFECT OF MORPHINE, PETHIDINE AND CLORPROMAZINE ON THE HYPOTHALAMO-PITUITARY-ADRENAL SYSTEM (AUTHORS TRANSL.) Morgner KD, Fissan H, Lucke C *Klin Wochenschr* 51:1205-7, 15 Dec 73 (Ger)

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**Morhenn V**

CONCOMITANT EFFECTS OF INSULIN ON SURFACE MEMBRANE CONFORMATION AND POLYSOME PROFILES OF SERUM-STARVED BALB-C 3T3 FIBROBLASTS. Evans RB, Morhenn V, Jones AL, Tomkins GM *J Cell Biochem Soc* 45:781-803, Sep 73 (Jap) [95]

**Morikawa M**

[PHOSPHOENOLPYRUVATE CARBOXYLASE: MECHANISM FOR ALLOSTERIC REGULATION BY MULTIPLE EFFECTORS (AUTHORS TRANSL.) Katsuki H, Kzui K, Teraoka H, Yoshinaga T, Morikawa M *J Jap Biochem Soc* 45:781-803, Sep 73 (Jap) [95]

**Morozova LG**

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

**Mortimer CH**

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPITUITARY PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

ACROMEGALY (blood); ADMINISTRATION, ORAL; ADULT; AGED; ARGININE (administration & dosage, diagnostic use); DIABETES MELLITUS (blood); FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON

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**Moskalewski S**

THE PRESENCE OF A FACTOR TOXIC TO PANCREATIC BETA CELLS IN SOME COLLAGENASE PREPARATIONS. Moskalewski S, Sochanska KR, Wiwatowski T *Bull Acad Pol Sci [Biol]* 22:127-30, 1974 (Eng)

CLOSTRIDIOPEPTIDASE A (toxicity); CLOSTRIDIUM (enzymology); FIBROBLASTS (drug effects); GUINEA PIGS; ISLANDS OF LANGERHANS (drug effects).

**Moskowitz J**

THE EFFECT OF PROSTAGLANDIN E1 ON NOREPINEPHRINE-INDUCED MEMBRANE DEPOLARIZATION AND CYCLIC AMP ACCUMULATION IN BROWN FAT CELLS. Moskowitz J, Krishna G *Pharmacology* 10:129-35, 1973 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); BROWN FAT (cytology, metabolism); CELLS; DOSE-RESPONSE RELATIONSHIP, DRUG; MEMBRANE POTENTIALS (drug effects); NOREPINEPHRINE (antagonists & inhibitors); PROSTAGLANDINS (pharmacodynamics); RATS; STIMULATION, CHEMICAL.

**Mosonyi L**

[PROOF OF INCREASED HYPOTHALAMIC ACTIVITY] Mosonyi L, Goncez J, Palossy B, Dobias G *Wien Z Inn Med* 54:114-9, 1973 (Ger)

ADULT; ANTIBODY FORMATION; ANTIBODY SPECIFICITY; HYPERTHYROIDISM (drug therapy, immunology, physiopathology); HYPOTHALAMUS (physiopathology, immunology); METHIMAZOLE (therapeutic use); MIDDLE AGE; OXYGEN CONSUMPTION; THYROID GLAND FUNCTION TESTS.

**Mouton YJ**

[COMBINATION OF DIABETES AND SCLERODERMA] Fourrier A, Mouton YJ, Montois R, Zylberberg C, Pommelet P, Vanhille P *Sem Hop Paris* 49:2853-6, 26 Oct 73 (Fre)

**Moylan JA Jr**

ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY. Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

**Mroszczyk M**

[DEATHS CAUSED BY CHRONIC PYELONEPHRITIS AND KIMMELSTIEL-WILSON SYNDROME AMONG DIABETICS] Torzecka W, Mroszczyk M, Jurga-Waniek K *WHO Tech Rep Ser* 27:405-9, 1 Mar 74 (Pol)

**Muller EE**

HYPERGLYCEMIC OR FEEDING RESPONSE TO GLUCOPRIVATION AND HYPOTHALAMIC GLUCORECEPTORS. Muller EE, Pecile A, Cocchi D, Olgiati VR *Am J Physiol* 226:1100-9, May 74 (Eng)

BLOOD SUGAR; CEREBRAL VENTRICLES (drug effects); FEEDING BEHAVIOR (drug effects); GLUCOSE (administration & dosage, pharmacodynamics, metabolism); HYPERGLYCEMIA (etiology); HYPOTHALAMUS (metabolism); INJECTIONS, INTRAPERITONEAL; INSULIN (pharmacodynamics, secretion); RATS; RECEPTORS, DRUG; STEREOTAXIC TECHNIQS.

**Muller-Ontjes J**

GROWTH OF CELLS ON SOLID CULTURE MEDIUM. I. GROWTH OF A HOMOGENEOUS CELL LAYER ON A SOLID CULTURE MEDIUM. Muller-Ontjes J *Biophysik* 10:143-55, 1973 (Eng)

AGAR; CELL DIVISION (drug effects); CELL LINE; CELLS, CULTURED (drug effects); CULTURE MEDIA; DIFFUSION; GLUCOSE (metabolism, pharmacodynamics); KINETICS; SACCHAROMYCES CEREVISIAE (metabolism, growth & development); TIME FACTORS.

**Mund-Hoym S**

[CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE] Stolp W, Hunermann B, Mund-Hoym S, Hansmann M *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)

**Munnell JF**

ROLE OF ADIPOSE TISSUE LIPOLYSIS IN POSTNATAL AMELIORATION OF THERMOGENESIS IN DOMESTIC AND WILD PIGLETS. Horn GW, Foley CW, Seerley RW, Munnell JF *J Anim Sci* 37:1356-61, Dec 73 (Eng)

**Murthy DY**

LETTER: GROWTH IN DIABETIC CHILDREN. Murthy DY, Jackson RL *Lancet* 1:736-7, 20 Apr 74 (Eng)

BLOOD SUGAR; CHILD; DIABETES MELLITUS, JUVENILE (blood, drug therapy, urine, complications); DIABETIC DIET; GLYCOSURIA (complications); GROWTH DISORDERS (etiology); INSULIN (therapeutic use).

**Myant NB**

THE METABOLISM OF LDL. Myant NB *Adv Exp Med Biol* 38:53-67, 1973 (Eng) [26]

AGE FACTORS; APOPROTEINS (metabolism); ARTERIES (metabolism); BLOOD PROTEINS (analysis); CARBOHYDRATES (analysis); CHOLESTEROL (analysis, blood, metabolism); CHOLESTYRAMINE (pharmacodynamics); DIETARY FATS; HYPERLIPIDEMIA, ESSENTIAL FAMILIAL (metabolism); LIPID METABOLISM, INBORN ERRORS (metabolism); LIPIDS (analysis); LIPOPROTEINS, LDL (analysis, biosynthesis, blood, metabolism); MYXEDEMA (drug therapy); NICOTINIC ACID (pharmacodynamics); THYROID HORMONES (therapeutic use).

**Mytareva LV**

[OXYGEN AND GLUCOSE CONSUMPTION BY AORTIC TISSUE DURING DIETARY ADMINISTRATION OF CHOLESTEROL AND NERVOUS SYSTEM STRESS] Khomulo PS, Mytareva LV, Zakirnichnaia GA *Kardiologiia* 13:116-20, Jan 73 (Rus)

**Nabarro JD**

PROCEEDINGS: L-DOPA AS A TEST OF ANTERIOR PITUITARY FUNCTION. Millar JG, Kurtz A, Aminoff MJ, Wilcox CS, Nabarro JD *J Endocrinol* 59:XXV-XXVI, Nov 73 (Eng)

**Naber KG**

ABSORPTION AND EXCRETION OF SORBITOL AND MANNITOL IN TRANSURETHRAL RESECTION OF THE PROSTATE. Madsen PO, Naber KG *Invest Urol* 11:331-5, Jan 74 (Eng)

**Nagai K**

STUDIES ON THE CIRCADIAN RHYTHM OF PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY IN RATS. II. EFFECT OF THE AUTONOMIC NERVOUS SYSTEM ON THE RHYTHM IN LIVER. Nagai K, Suda

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### Naik DV

M, Nakagawa H *J Biochem (Tokyo)* 74:863-71, Nov 73 (Eng)

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COLD ADAPTATION. 3. EFFECTS OF CATECHOLAMINES AND THYROID HORMONE ON INDUCTION OF LIVER PHOSPHOENOLPYRUVATE CARBOXYKINASE ON COLD-EXPOSURE. Nagai K, Nakagawa H *J Biochem (Tokyo)* 74:873-9, Nov 73 (Eng)

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### Naik DV

ELECTRON MICROSCOPIC-IMMUNOCYTOCHEMICAL LOCALIZATION OF ADRENOCORTICOTROPIN AND MELANOCYTE STIMULATING HORMONE IN THE PARS INTERMEDIA CELLS OF RATS AND MICE. Naik DV *Z Zellforsch Mikrosk Anat* 142:305-28, 17 Sep 73 (Eng)

CATTLE; CELL NUCLEUS; CORTICOTROPIN (analysis); ENDOPLASMIC RETICULUM; GOLGI APPARATUS; HISTOCYTOCHEMISTRY; MICE; MICROSCOPY, ELECTRON; MITOCHONDRIA; MSH (analysis); PITUITARY GLAND (analysis); RABBITS (immunology); RATS; SWINE.

### Najjar VA

THE ACTIVATION OF ADENYLATE CYCLASE. I. A POSTULATED MECHANISM FOR FLUORIDE AND HORMONE ACTIVATION OF ADENYLATE CYCLASE. Najjar VA, Constantopoulos A *Mol Cell Biochem* 2:87-93, 15 Nov 73 (Eng)

ADENYL CYCLASE (metabolism, blood); BINDING SITES; BLOOD PLATELETS (cytology, drug effects, enzymology); CELL MEMBRANE (drug effects, enzymology); ENZYME ACTIVATION; FLUORIDES (pharmacodynamics); KINETICS; LEUKOCYTES (cytology, drug effects, enzymology); MODELS, BIOLOGICAL; PHOSPHORUS RADIOISOTOPES; PROTAGLANDINS (pharmacodynamics); PROTEIN BINDING; PROTEIN KINASE (metabolism); RABBITS; TIME FACTORS.

### Nakagawa H

STUDIES ON THE CIRCADIAN RHYTHM OF PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY IN RATS. II. EFFECT OF THE AUTONOMIC NERVOUS SYSTEM ON THE RHYTHM IN LIVER. Nagai K, Suda M, Nakagawa H *J Biochem (Tokyo)* 74:863-71, Nov 73 (Eng)

COLD ADAPTATION. 3. EFFECTS OF CATECHOLAMINES AND THYROID HORMONE ON INDUCTION OF LIVER

PHOSPHOENOLPYRUVATE CARBOXYKINASE ON COLD-EXPOSURE. Nagai K, Nakagawa H *J Biochem (Tokyo)* 74:873-9, Nov 73 (Eng)

### Nakamura RM

EFFECT OF MENADIONE AND OTHER FACTORS ON SUGAR-INDUCED HEART LESIONS AND HEMORRHAGIC SYNDROME IN THE PIG. Brooks CC, Nakamura RM, Miyahara AY *J Anim Sci* 37:1344-50, Dec 73 (Eng)

### Nandi S

PRELIMINARY SURVEY OF HORMONAL INFLUENCES ON MULTICELLULAR ARCHITECTURE IN PRIMARY CULTURES OF MAMMARY CARCINOMA CELLS. Hosick HL, Nandi S *J Natl Cancer Inst* 52:897-902, Mar 74 (Eng)

### Napoli E

ENZYMES OF GLUCOSE METABOLISM IN LIVER OF SUBJECTS WITH ADULT-ONSET DIABETES. Belfiore F, Romeo F, Napoli E, Lo Vecchio L *Diabetes* 23:293-301, Apr 74 (Eng)

INCREASED UROPEPSINOGEN EXCRETION IN DIABETES MELLITUS. Belfiore F, Lo Vecchio L, Napoli E, Borzi V, Rabuazzo AM *Clin Chem* 20:610-2, May 74 (Eng)

### Nardell BE

THE EFFECT OF THYMECTOMY ON THE FATTY ACID CONCENTRATION OF PLASMA, LIVER AND FAT PADS. Nardell BE *J Baltimore Coll Dent Surg* 28:18-34, Jul 73 (Eng)

ADIPOSE TISSUE (analysis); FATTY ACIDS (analysis, blood); LIVER (analysis); THYMECTOMY.

### Nars PW

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppingen K *J Pediatr* 84:821-4, Jun 74 (Eng)

### Nathan C

[DIAGNOSIS AND CURRENT TREATMENT OF DIABETES INSIPIDUS. APROPOS OF 10 CASES] Schaison G, Nathan C, Gilbert-Dreyfus Sem *Hop Paris* 49:2825-31, 26 Oct 73 (Fre)

### Naughton JM

LIPID COMPOSITION AND METABOLIC ACTIVITY OF SUBCELLULAR FRACTIONS ISOLATED FROM RABBIT ATHEROSCLEROTIC LESIONS. Proudlock JW, Day AJ, Naughton JM *Exp Mol Pathol* 19:389-401, Dec 73 (Eng)

### Naumann E

THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE. Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)

### Naumov BA

[PHYSIOLOGICAL MECHANISMS AND CRITERIA OF EVALUATION OF THE INSULIN TEST (REVIEW OF THE LITERATURE)] Postolov PM, Naumov BA *Khirurgiia (Mosk)* 49:119-25, Apr 73 (Rus) [103]

### Neeley WE

DESIGN AND OPERATION OF A SIGNAL COMPARATOR TO INCREASE EFFICIENCY OF CONTINUOUS-FLOW ANALYZERS. Neeley WE, Wardlaw S, Swinnen ME *Clin Chem* 20:78-80, 1974 (Eng)

AUTOANALYSIS (instrumentation); BLOOD SUGAR (analysis); EVALUATION STUDIES; METHODS; TIME FACTORS.

### Neely JR

REGULATION OF FATTY ACID UTILIZATION IN ISOLATED PERFUSED RAT HEARTS. Oram JF, Bennetch SL, Neely JR *J Biol Chem* 248:5299-309, 10 Aug 73 (Eng)

### Nel C

GASTRIC MUCORMYCOSIS IN A DIABETIC PATIENT. Dannheimer IP, Fouche W, Nel C *S Afr Med J* 48:838-9, 20 Apr 74 (Eng)

### Nestel PJ

THE EFFECT OF MATERNAL MALNUTRITION ON THE PROGENY IN THE RAT. STUDIES IN VITRO OF ADIPOSE TISSUE LIPOGENESIS AND LIPOPROTEIN LIPASE ACTIVITY FOLLOWING FRUCTOSE FEEDING. McLeod KI, Nestel PJ, Goldrick RB *Aust J Exp Biol Med Sci* 51:811-24, Dec 73 (Eng)

### Newirth TL

MULTIPLE IMMOBILIZED ENZYME REACTORS: DETERMINATION OF PYRUVATE AND PHOSPHOENOLPYRUVATE CONCENTRATIONS USING IMMOBILIZED LACTATE DEHYDROGENASE AND PYRUVATE KINASE. Newirth TL, Diegelman MA, Pye EK, Kallen RG *Biotechnol Bioeng* 15:1089-100, Nov 73 (Eng)

ADENOSINE DIPHOSPHATE (analysis); COLD; EDTA; GLASS; LACTATE DEHYDROGENASE; MERCAPTOETHANOL; NAD; PHOSPHOENOLPYRUVATE (analysis); PYRUVATE KINASE; PYRUVATES (analysis); SPECTROPHOTOMETRY.

### Newmark SR

ECTOPIC ADRENOCORTICOTROPIN SYNDROME WITH PROSTATIC CARCINOMA. Newmark SR, Dluhy RG, Bennett AH *Urology* 2:666-8, Dec 73 (Eng)

ADENOCARCINOMA (complications); BLOOD SUGAR (analysis); CORTICOTROPIN (analysis, blood, secretion); DDD (therapeutic use); DEXAMETHASONE (therapeutic use); 17-HYDROXYCORTICOSTEROIDS (urine); 17-KETOSTEROIDS (urine); METYRAPONE (therapeutic use); MIDDLE AGE; NEOPLASM METASTASIS; NEOPLASTIC ENDOCRINE-LIKE SYNDROMES (drug therapy, metabolism, complications); POTASSIUM (blood); PROSTATIC NEOPLASMS (complications); PSYCHOSES (etiology); SPIRONOLACTONE (therapeutic use).

### Newsholme EA

METABOLIC ASPECTS OF ENZYME ACTIVITY REGULATION. Newsholme EA, Crabtree B *Symp Soc Exp Biol* 27:429-60, 1973 (Eng) [44]

ADENINE NUCLEOTIDES (metabolism); ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ENZYMES (metabolism); FEEDBACK; KINETICS; MODELS, CHEMICAL; PHOSPHOTRANSFERASES (metabolism).

### Newton DA

PLASMA GROWTH HORMONE AND SERUM PHOSPHORUS CONCENTRATIONS IN RELATION TO THE MENOPAUSE AND TO OESTROGEN THERAPY. Aitken JM, Gallagher MJ, Hart DM, Newton DA, Craig A *J Endocrinol* 59:593-8, Dec 73 (Eng)

### Ney RL

THE MECHANISM OF ACTION OF ADRENOCORTICOTROPIC HORMONE. THE ROLE OF MITOCHONDRIAL CHOLESTEROL ACCUMULATION IN THE REGULATION OF STEROIDOGENESIS.

Mahaffee D, Reitz RC, Ney RL *J Biol Chem* 249:227-33, 10 Jan 74 (Eng)

# Niederland TR

[EFFECT OF SINGLE ADMINISTRATION OF FUROSEMIDE IN PATIENTS WITH CHRONIC LIVER DISEASE] Dzurikova V, Brixova E, Niederland TR *Bratisl Lek Listy* 61:336-43, Mar 74 (Slo)

# Nies AS

PROCEEDINGS: THE INFLUENCE OF GLUCAGON ON REGIONAL BLOOD FLOW IN THE RHESUS MONKEY. Branch RA, Nies AS, Shand DG *Br J Pharmacol* 49:149P, Sep 73 (Eng)

# Nikitin AI

[A STUDY OF THE EMBRYOGENESIS OF THE PANCREAS AND THE PROCESS OF FORMATION OF THE INSULAR APPARATUS IN THE FETUSES OF RATS WITH PREDIABETES, LATENT AND MANIFEST ALLOXAN DIABETES] Nikitin AI *Probl Endokrinol (Mosk)* 19:73-8, Jul-Aug 73 (Rus)

ALLOXAN DIABETES (embryology); CELL NUCLEUS; CYTOPLASMIC GRANULES; ISLANDS OF LANGERHANS (embryology); PANCREAS (embryology); PREDIABETIC STATE (embryology); PREGNANCY; RATS.

# Nilsson LH

LIVER GLYCOGEN CONTENT IN MAN IN THE POSTABSORPTIVE STATE. Nilsson LH *Scand J Clin Lab Invest* 32:317-23, Dec 73 (Eng)

ADOLESCENCE; ADULT; BIOPSY, NEEDLE; BLOOD COAGULATION FACTORS (analysis); INDICATORS AND REAGENTS; LIVER (pathology); LIVER GLYCOGEN (physiology, analysis); MIDDLE AGE; NITROGEN (analysis).

# Nitta Y

KINETIC STUDIES ON GLUCOAMYLASE. VI. INHIBITION OF SUBSTRATE ANALOGUES. Hiromi K, Kawai M, Suetsugu N, Nitta Y, Hosotani T *J Biochem (Tokyo)* 74:935-43, Nov 73 (Eng)

# Noacco C

EFFECTS OF ALTERNATIONS OF PLASMA FREE FATTY ACID LEVELS ON PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Schneider V, Karam JH, Noacco C *J Clin Invest* 53:1284-9, May 74 (Eng)

ADRENERGIC MODULATION OF PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Noacco C, Schneider V, Forsham PH *J Clin Invest* 53:1441-6, May 74 (Eng)

# Noack E

[COMPARATIVE STUDIES ON THE INFLUENCE OF CREATINE PHOSPHATE AND CREATININE PHOSPHATE ON RESPIRATION AND OXIDATIVE PHOSPHORYLATION OF ISOLATED HEART AND LIVER MITOCHONDRIA] Noack E *Arzneim Forsch* 23:1037-41, Aug 73 (Ger)

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); CREATINE KINASE (metabolism); CREATININE (pharmacodynamics); MITOCHONDRIA, LIVER (enzymology, drug effects); MITOCHONDRIA, MUSCLE (enzymology, drug effects); MYOCARDIUM (cytology, drug effects); ORGANOPHOSPHORUS COMPOUNDS (pharmacodynamics); OSMOLAR CONCENTRATION; OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN CONSUMPTION (drug effects); PHOSPHOCREATINE (pharmacodynamics); POLAROGRAPHY; RABBIT; RATS.

# Noakes TD

LETTER: EXERCISES. Noakes TD *S Afr Med J* 48:74, 19 Jan 74 (Eng)

AGE FACTORS; ARTERIOSCLEROSIS (etiology, rehabilitation); EXERCISE TEST; EXERCISE THERAPY; EXERTION; HYPERINSULINISM (complications); MIDDLE AGE; PHYSICAL EDUCATION AND TRAINING.

# Noren R

[LIPID AND FATTY ACID COMPOSITION OF NERVOUS TISSUE PHOSPHOLIPIDS OF SQUID, LOBSTER, DOGFISH AND COD] Noren R, Svennerholm L *Zh Evol Biokhim Fiziol* 9:225-34, May-Jun 73 (Rus)

BRAIN CHEMISTRY; CEPHALINS (analysis); CHOLESTEROL (analysis); FATTY ACIDS (analysis); FISHES (analysis); GANGLIA (analysis); LECITHINS (analysis); LIPIDS (analysis); LOBSTERS (analysis); NERVOUS SYSTEM (analysis); PERIPHERAL NERVES (analysis); PHOSPHOLIPIDS (analysis); SHARKS (analysis); SPINAL CORD (analysis); SQUID (analysis).

# Notkins AL

VIRUS-INDUCED DIABETES MELLITUS. II. RELATIONSHIP BETWEEN BETA CELL DAMAGE AND HYPERGLYCEMIA IN MICE INFECTED WITH ENCEPHALOMYOCARDITIS VIRUS. Hayashi K, Boucher DW, Notkins AL *Am J Pathol* 75:91-102, Apr 74 (Eng)

# Nowak J

[EFFECT OF INSULIN DEFICIENCY ON PHOSPHORUS LEVEL IN CASEIN IN GOAT MILK] Nowak J, Luczynska K *Pol Arch Weter* 16:193-9, 1973 (Pol)

ALLOXAN DIABETES (drug therapy, metabolism); CASEIN (analysis); GOATS (metabolism); INSULIN (administration & dosage, therapeutic use, blood); MILK (analysis); PHOSPHATES (analysis).

# Nozawa M

VASCULARIZED TRANSPLANTATION OF THE RAT PANCREAS WITHOUT DUODENUM. Nozawa M, Weil R 3d, McIntosh R, Reemtsma K *Transplantation* 17:137-40, 1 Jan 74 (Eng)

DUODENUM (transplantation); METHODS; PANCREAS (transplantation); RATS; RATS, INBRED F344; RATS, INBRED LEW; TRANSPLANTATION, HOMOLOGOUS.

# Numano F

[CATECHOLAMINES AND ARTERIOSCLEROSIS] Numano F *Jap J Clin Med* 31:2718-27, Sep 73 (Jap) [30]

ARTERIES (physiopathology); ARTERIOSCLEROSIS (etiology); CATECHOLAMINES (physiology); HYPERTENSION (etiology); LIPIDS (metabolism); SMOKING (physiopathology); STRESS (physiopathology).

# Nunes-Correa J

PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE. Nunes-Correa J, Lowy C, Sonksen PH *Lancet* 1:837-41, 4 May 74 (Eng)

AGED; ANTIGENS; BIOLOGICAL ASSAY; BLOOD SUGAR (analysis); FASTING; GEL FILTRATION; GLUCOSE TOLERANCE TEST; HYPOGLYCEMIA (complications); IMMUNOASSAY; INSULIN (blood, secretion); ISLET CELL TUMOR (blood, complications, physiopathology); MIDDLE AGE; MOLECULAR WEIGHT; PROINSULIN (blood, secretion); SERUM ALBUMIN (analysis).

# Nygren A

LETTER: GLUCOSE INTOLERANCE AND PERIPHERAL GLUCOSE UPTAKE IN ACUTELY INTOXICATED ALCOHOLICS. Eriksson CE, Hed R, Lindblad LE, Nygren A, Sundblad L *Lancet* 1:811-2, 27 Apr 74 (Eng)

# Oakley WG

LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS. Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)

ADULT; AGED; BLOOD PRESSURE; CHOLESTEROL (blood); CORONARY DISEASE (complications); DIABETES MELLITUS (familial & genetic, complications); DIABETIC ANGIOPATHIES (complications); DIABETIC NEPHROPATHIES (complications); DIABETIC NEUROPATHIES (complications); DIABETIC RETINOPATHY (complications); ELECTROCARDIOGRAPHY; LONGEVITY; MIDDLE AGE; PREGNANCY; PREGNANCY IN DIABETES; PROGNOSIS; TIME FACTORS.

# Obermeier R

INSULIN SYNTHESIS FROM NATURAL CHAINS BY MEANS OF REVERSIBLE BRIDGING COMPOUNDS. Geiger R, Obermeier R *Biochem Biophys Res Commun* 55:60-6, 1 Nov 73 (Eng)

# O'Brien JE

SERUM IRON LEVELS IN OSTENSIBLY NORMAL PEOPLE. Crosby WH, Likhite VV, O'Brien JE, Forman D *JAMA* 227:310-2, 21 Jan 74 (Eng)

# O'Donnell TF Jr

OZONE POISONING IN MAN: CLINICAL MANIFESTATIONS AND DIFFERENTIAL DIAGNOSIS--A REVIEW. Clowes GH Jr, O'Donnell TF Jr, Ryan NT, Blackburn GL *Ann Surg* 179:684-96, May 74 (Eng)

# O'Dwyer EM

A STUDY OF SOME ENZYMES AND ISOENZYMES OF CARBOHYDRATE METABOLISM IN HUMAN ENDOMETRIUM DURING THE MENSTRUAL CYCLE. Spellman CM, Fottrell PF, Baynes S, O'Dwyer EM, Clinch JD *Clin Chim Acta* 48:259-68, 30 Oct 73 (Eng)

# Ogawa N

ROUTINE ULTRAMICRO-MEASUREMENT OF HUMAN GROWTH HORMONE IN PLASMA BY SOLID-PHASE RADIOIMMUNOASSAY. Ogawa N *Endocrinol Jap* 20:587-94, Dec 73 (Eng)

GLUCOSE TOLERANCE TEST; HYPOPITUITARISM (blood); IODINE RADIOISOTOPES; METHODS; MICROCHEMISTRY; RABBITS (immunology); RADIOIMMUNOASSAY; SOMATOTROPIN (blood).

# Ogilvie JT

HOMEOSTASIS OF BODY WEIGHT IN A DIABETIC CLINIC POPULATION. Goodner CJ, Ogilvie JT *Diabetes* 23:318-26, Apr 74 (Eng)

# Ohrloff C

PROCEEDINGS: GLYCOGEN METABOLISM IN BOVINE LENSES. Ohrloff C, Hockwin O, Holstege A *Exp Eye Res* 17:401, 25 Nov 73 (Eng)

CATTLE; GLYCOGEN (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); LENS, CRYSTALLINE (metabolism); NUCLEOTIDYLTRANSFERASES (metabolism); PHOSPHOGLUCOMUTASE (metabolism).

# Okada G

NEW STUDIES ON AMYLOSUCRASE, A BACTERIAL ALPHA-D-GLUCOSYLASE THAT DIRECTLY CONVERTS SUCROSE TO A GLYCOSIDE-LIKE ALPHA-GLUCAN. Okada G, Hehre EJ *J Biol Chem* 249:126-35, 10 Jan 74 (Eng)

AMYLASE (metabolism); CALORIMETRY; CARBON RADIOISOTOPES; CHROMATOGRAPHY, PAPER; GEL FILTRATION; GLUCOSE; GLUCOSIDASE (metabolism); GLUCOSYLTRANSFERASES (isolation & purification).

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### Okada Y

tion, metabolism); GLYCOGEN (biosynthesis); KINETICS; NEISSERIA (enzymology); NUCLEOSIDE DIPHOSPHATE SUGARS; POLYSACCHARIDES; SOLUBILITY; SPECTROPHOTOMETRY; SUCROSE (biosynthesis); TEMPERATURE; THERMODYNAMICS; TIME FACTORS.

### Okada Y

[ISOLATED DEFICIENCY OF ANTERIOR PITUITARY HORMONE] Kumahara Y, Okada Y, Miyai K, Hashimoto T, Azukisawa M *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

### Okido M

LIPIDS BIOSYNTHESIS FROM ACETATE IN NORMAL RAT EPIDERMIS. Okido M, Sugihara I, Ono M *Jap J Dermatol* [B] 82:80-3, Sep 72 (Eng)

ACETATES (metabolism); ACETYL COENZYME A (metabolism); CARBON RADIOISOTOPES; LIPIDS (biosynthesis); RATS; SKIN (metabolism).

### Oleesky S

BRITTLE DIABETES. Oleesky S, Shreeve DR, Sutcliffe CH *Q J Med* 43:113-25, Jan 74 (Eng) ADULT; BLOOD SUGAR (analysis); DIABETES MELLITUS (drug therapy, blood); HYDROCORTISONE (blood); INSULIN, LENTE (therapeutic use); MIDDLE AGE; SOMATOTROPIN (blood); TIME FACTORS.

### Olgati VR

HYPERGLYCEMIC OR FEEDING RESPONSE TO GLUCOPRIVATION AND HYPOTHALAMIC GLUCORECEPTORS. Muller EE, Pecile A, Cocchi D, Olgati VR *Am J Physiol* 226:1100-9, May 74 (Eng)

### Olsen I

A COMPARATIVE STUDY ON THE EFFECT OF FLUORIDE, LAURYL SULPHATE AND CHLORHEXIDINE ON GLUCOSE UTILIZATION IN RAT INTESTINAL MUCOSAL CELLS. Olsen I, Sogren E *Acta Pharmacol Toxicol* (Kbh) 33:348-52, 1973 (Eng)

BIGUANIDES (pharmacodynamics); CARBON RADIOISOTOPES; DEPRESSION, CHEMICAL; FLUORIDES (pharmacodynamics); GLUCOSE (metabolism); INTESTINAL MUCOSA (drug effects, metabolism); RATS; SODIUM DODECYL SULFATE (pharmacodynamics); STIMULATION, CHEMICAL; TISSUE CULTURE.

### Olsen WA

INTESTINAL MUCOSAL DISACCHARIDASES IN CHRONIC PANCREATITIS. Arvanitakis C, Olsen WA *Am J Dig Dis* 19:417-21, May 74 (Eng)

### Omachi RS

EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM. Omachi RS, Robbie DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); BLADDER (metabolism); BUFO MARINUS; CALCIUM (pharmacodynamics); CHLORPROPAMIDE (pharmacodynamics); EPITHELIUM (metabolism); NOREPINEPHRINE (pharmacodynamics); PROSTAGLANDINS (pharmacodynamics); PROTEINS (metabolism); THEOPHYLLINE; TIME FACTORS; VASOPRESSIN (pharmacodynamics).

### O'Malley P

PORTABLE XENON ARC LIGHT COAGULATOR. O'Malley P *Br J Ophthalmol* 57:935-44, Dec 73 (Eng)

ADOLESCENCE; ADULT; AGED; CONTACT LENSES; DIABETIC RETINOPATHY (surgery);

EYE DISEASES (surgery); HYPEROPIA (surgery); LIGHT COAGULATION (instrumentation); MYOPIA (surgery); OPTICS; PUPIL; RABBIT; RETINA (surgery); RETINAL DETACHMENT (surgery); RETINAL HEMORRHAGE; TIME FACTORS; XENON.

### Omura S

INHIBITION OF FATTY ACID SYNTHESIS BY THE ANTIBIOTIC CERULENIN. SPECIFIC INACTIVATION OF BETA-KETOACYL-ACYL CARRIER PROTEIN SYNTHETASE. D'Agnolo G, Rosenfeld IS, Awaya J, Omura S, Vagelos PR *Biochim Biophys Acta* 326:155-6, 29 Nov 73 (Eng)

### Ono M

LIPIDS BIOSYNTHESIS FROM ACETATE IN NORMAL RAT EPIDERMIS. Okido M, Sugihara I, Ono M *Jap J Dermatol* [B] 82:80-3, Sep 72 (Eng)

### Ookhtens M

FLUCTUATIONS OF PLASMA GLUCOSE AND INSULIN IN CONSCIOUS DOGS RECEIVING GLUCOSE INFUSIONS. Ookhtens M, Marsh DJ, Smith SW, Bergman RN, Yates FE *Am J Physiol* 226:910-9, Apr 74 (Eng)

BLOOD SUGAR (analysis); DOGS; FASTING; GLUCOSE (administration & dosage, pharmacodynamics); INJECTIONS, INTRAVENOUS; INSULIN (blood); KINETICS; PERIODICITY.

### Oppolzer R

[LARGE INTRAVENOUS DOSES OF CORTISONE IN RENAL TRANSPLANTATION] Stummvoll HK, Pinggera WF, Oppolzer R, Singer F, Wolf A *Wien Med Wochenschr* 124:232-5, Apr 74 (Ger)

### Opuszyńska T

[EFFECT OF THE BRAND OF DIETARY FAT ON RATS LIVER. V. ALKALINE PHOSPHATASE IN SERUM AND THE LIVER] Opuszyńska T *Rocz Panstw Zakl Hig* 24:597-603, 1973 (Pol)

ALKALINE PHOSPHATASE (blood, metabolism); DIETARY FATS; LIVER (enzymology); OXIDATION-REDUCTION; RATS.

### Oram JF

REGULATION OF FATTY ACID UTILIZATION IN ISOLATED PERFUSED RAT HEARTS. Oram JF, Bennetch SL, Neely JR *J Biol Chem* 248:5299-309, 10 Aug 73 (Eng)

ACETYL COENZYME A (metabolism); BIOLOGICAL TRANSPORT; CARBON DIOXIDE (metabolism); CARBON RADIOISOTOPES; CARNITINE (metabolism); CHROMATOGRAPHY, GAS; COENZYME A (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); HEART (drug effects, physiology); HEART VENTRICLE; IODINE RADIOISOTOPES; MYOCARDIUM (metabolism); OXIDATION-REDUCTION; OXIDATIVE PHOSPHORYLATION; OXYGEN CONSUMPTION (drug effects); PALMITIC ACID (pharmacodynamics, metabolism); PERFUSION; PRESSURE; RATS; TIME FACTORS.

### Origer WJ

PATIENT EDUCATION OF DIABETICS IN A RURAL FAMILY PRACTICE. Origer WJ *Nebr Med J* 59:105-7, Apr 74 (Eng)

DIABETES MELLITUS (rehabilitation); HEALTH EDUCATION; RURAL HEALTH.

### Orlandi C

[VARIOUS RECENT USES OF HORMONES AND THEIR MECHANISM OF ACTION ON THE CELL LEVEL] Barnabei O, Orlandi C *Recent Prog Med* (Roma) 56:47-76, Jan 74 (Ita)

### Orloff J

EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM. Omachi RS, Robbie DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)

### Orsetti A

[PYRIDOXINE PARA-CHLORO-PHENOXY-ISOBUTYRATE. ANALYSIS OF HYPOLIPIDEMIC EFFECTS] Mirouze J, Orsetti A, Cartry E *Nouv Presse Med* 2:3115-6, Dec 73 (Fre)

### Osickova L

[INFRARED THERMOVISION AND JUVENILE DIABETES] Stavratjev M, Stavratjevo A, Osickova L *Cesk Pediatr* 29:145-7, Mar 74 (Cze)

### Ostberg H

THE USE OF GLUCAGON DURING UPPER GASTROINTESTINAL ENDOSCOPY. Hradsky M, Stockbrugger R, Dotevall G, Ostberg H *Gastrointest Endosc* 20:162, May 74 (Eng)

### Ostberg J

SURVIVAL RATES IN SURGERY OF THE AGED. ASSESSMENT OF LONG-TERM PROGNOSIS ACCORDING TO COEXISTING DISEASES. Andersen B, Ostberg J *Gerontol Clin* (Basel) 14:354-60, 1972 (Eng)

### Ostrowski ZL

LETTER: FULL AND EMPTY FAT CELLS. Ostrowski ZL, Giron B *Lancet* 2:1493, 29 Dec 73 (Eng)

ADIPOSE TISSUE (cytology); ADOLESCENCE; BIOPSY; BODY WEIGHT; CHILD; DIET, REDUCING; FOOD HABITS; OBESITY (pathology).

### Otsuka H

HORMONAL REGULATION OF TYROSINE TRANSAMINASE SYNTHESIS IN ISOLATED, RAT LIVER PERFUSED WITH SYNTHETIC MEDIUM. Otsuka H *J Biochem* (Tokyo) 75:53-8, Jan 74 (Eng)

BLOOD; DEXAMETHASONE (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); ENZYME INDUCTION; GLUCAGON (pharmacodynamics); HORMONES (physiology); HYDROCORTISONE (pharmacodynamics); INSULIN (pharmacodynamics); LIVER (enzymology); PERFUSION; RATS; TIME FACTORS; TYROSINE AMINOTRANSFERASE (biosynthesis).

### Paffenbarger RS Jr

FACTORS PREDISPOSING TO FATAL STROKE IN LONGSHOREMEN. Paffenbarger RS Jr *Prev Med* 1:522-8, Dec 72 (Eng)

ADULT; AGED; BLOOD PRESSURE; CEREBROVASCULAR DISORDERS (etiology, mortality, occurrence); CORONARY DISEASE (complications); DIABETES MELLITUS (complications); ELECTROCARDIOGRAPHY; EXERCISE; GLUCOSE (metabolism); HEART DISEASES (complications); MIDDLE AGE; OCCUPATIONS; SMOKING (complications).

### Pagani G

[RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cutticia F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)

### Pal DR

EFFECT OF CERTAIN METABOLIC REGULATORS ON THE ACTIVITY OF LYSOSOMAL ENZYMES IN REGENERATING RAT LIVER. Chatterjee J, Pal DR, Majumder PK, Chatterjee GC *Biochem Pharmacol* 23:752-4, 1 Feb 74 (Eng)

**Palmer LM**

REGULATION OF TRANSPORT SYSTEMS: A MEANS OF CONTROLLING METABOLIC RATES. Pardee AB, Palmer LM *Symp Soc Exp Biol* 27:133-44, 1973 (Eng) [52]

**Palmer RF**

SULFONYLUREAS AND THE HEART. Levey GS, Lasseter KC, Palmer RF *Annu Rev Med* 25:69-74, 1974 (Eng) [24]

**Palossy B**

[PROOF OF INCREASED HYPOTHALAMIC ACTIVITY] Mosonyi L, Goncz J, Palossy B, Dobias G *Wien Z Inn Med* 54:114-9, 1973 (Ger)

**Palumbo PJ**

LETTER: DIABETIC KETOACIDOSIS. Callaway CW, Palumbo PJ *Lancet* 1:869, 4 May 74 (Eng)

DIABETIC NEPHROPATHY AND RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ *Minn Med* 57:356-60, May 74 (Eng)

ADULT; AGED; BLOOD SUGAR (analysis); CHRONIC DISEASE; DIABETIC NEPHROPATHIES (therapy); HEMODIALYSIS; KIDNEY (transplantation); KIDNEY DISEASES (therapy); MIDDLE AGE; NEPHROSCLEROSIS (therapy); PROGNOSIS; TRANSPLANTATION, HOMOLOGOUS.

**Pang PK**

SERUM COMPOSITION OF THE COELACANTH, LATIMERIA CHALUMNAE SMITH. Griffith RW, Umminger BL, Grant BF, Pang PK, Pickford GE *J Exp Zool* 187:87-102, Jan 74 (Eng)

**Pannier R**

[A MICROMETHOD FOR THE DETERMINATION OF LACTATE, PYRUVATE AND GLUCOSE FROM 0.1 ML OF BLOOD] Pannier R, Kliment F *Z Med Labortech* 14:285-94, 1973 (Ger)

BLOOD SUGAR (analysis); INDICATORS AND REAGENTS; LACTATES (blood); METHODS; MICROCHEMISTRY; PHOTOMETRY; PYRUVATES (blood).

**Pant HC**

CONTRIBUTION TO THE ELECTROCHEMISTRY OF BIMOLECULAR LIPID MEMBRANES. Karvaly B, Rosenberg B, Pant HC, Kemeny G *Biophysik* 10:199-212, 1973 (Eng)

**Paradise RR**

INHIBITION BY HALOTHANE OF GLUCOSE-STIMULATED INSULIN SECRETION IN ISOLATED PIECES OF RAT PANCREAS. Gingerich R, Wright PH, Paradise RR *Anesthesiology* 40:449-52, May 74 (Eng)

**Pardee AB**

REGULATION OF TRANSPORT SYSTEMS: A MEANS OF CONTROLLING METABOLIC RATES. Pardee AB, Palmer LM *Symp Soc Exp Biol* 27:133-44, 1973 (Eng) [52]

BACILLUS SUBTILIS (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; ENZYME INDUCTION; ESCHERICHIA COLI (metabolism); EVOLUTION; GENES, REGULATOR; GLUCOSEPHOSPHATES; LACTOBACILLUS (metabolism); MEMBRANES; MUTATION; PROTEINS; SALMONELLA TYPHIMURIUM (metabolism); STAPHYLOCOCCUS (metabolism).

**Passeri M**

[EFFECTS OF REPEATED ADMINISTRATION OF INTRAVENOUSLY INJECTED GLUCOSE ON BLOOD INSULIN AND TRIGLYCERIDES IN A GROUP OF EUCRINE OLD PERSONS] Cucinotta D, Ferretti G, Marchini L, Monica C, Passeri M *G Clin Med* 54:579-97, Sep 73 (Ita)

**Patchefsky AS**

CARCINOID TUMOR OF THE PANCREAS. ULTRASTRUCTURAL OBSERVATIONS OF A LYMPH NODE METASTASIS AND COMPARISON WITH BRONCHIAL CARCINOID. Patchefsky AS, Gordon G, Harrer WV, Hoch WS *Cancer* 33:1349-54, May 74 (Eng)

ALDOSTERONE (blood); CARCINOID TUMOR (blood, urine, pathology); CELLULAR INCLUSIONS; CHROMAFFIN SYSTEM (pathology); CORTICOTROPIN (blood); CORTISONE (blood); CYLINDROMA (pathology); GASTRIN (blood); HYDROXYINDOLEACETIC ACID (urine); HYDROXYTRYPTOPHAN (urine); INSULIN (blood); LYMPHATIC METASTASIS (pathology); MICROSCOPY, ELECTRON; MIDDLE AGE; PANCREATIC NEOPLASMS (blood, urine, pathology); SEROTONIN (blood).

**Patel YC**

SERUM TRIIODOTHYRONINE IN HEALTH AND DISEASE. Patel YC, Burger HG *Clin Endocrinol (Oxf)* 2:339-49, Oct 73 (Eng)

ADOLESCENCE; ADULT; CARBIMAZOLE (therapeutic use); CONTRACEPTIVES, ORAL (pharmacodynamics); GOITER (blood); GOITER, NODULAR (blood); HYPERTHYROIDISM (blood, drug therapy); HYPOTHYROIDISM (blood); RADIOIMMUNOASSAY; THYROID DISEASES (blood); THYROTROPIN (blood); THYROTROPIN RELEASING HORMONE (pharmacodynamics); THYROXINE (blood); TRIIODOTHYRONINE (blood).

**Patriarca P**

BIOCHEMICAL STUDIES ON THE EFFECT OF PAPAVERINE ON POLYMORPHONUCLEAR LEUCOCYTES. Patriarca P, Cramer R, Dri P, Soranzo MR, Rossi F *Biochem Pharmacol* 22:3257-66, 15 Dec 73 (Eng)

CARBON DIOXIDE (metabolism); CARBON RADIOISOTOPES; CONCAVALIN A (pharmacodynamics); EMULSIONS (diagnostic use); GLUCOSE (metabolism); GLUCOCOSEPHOSPHATE DEHYDROGENASE (blood); GLYCOLYSIS (drug effects); GUINEA PIGS; KINETICS; LEUCOCYTES (drug effects); MICROSCOPY, ELECTRON; NADH, NADPH OXIDOREDUCTASES (blood); OXYGEN CONSUMPTION (drug effects); PAPAVERINE (pharmacodynamics); PARAFFIN (diagnostic use); PHAGOCYTES (drug effects); PHAGOCYTOSIS (drug effects); PHOSPHOLIPASE (pharmacodynamics); STIMULATION, CHEMICAL.

**Patterson JH**

RESPONSIVENESS OF HUMAN SUBJECTS TO HUMAN GROWTH HORMONE: RELATION TO BONE AGE. Rudman D, Patterson JH, Gibbas DL, Richardson TJ, Awrich AI, Anthony AE, Bixler TJ 2d, Giansanti JS *J Clin Endocrinol Metab* 38:848-55, May 74 (Eng)

**Pearson SE**

PLASMA DISAPPEARANCE OF RADIOIODINATED DOG GROWTH HORMONE IN THE DOG. Kramer MW, Pearson SE, Michaelson SM *Horm Metab Res* 5:470-1, Nov 73 (Eng)

**Pecile A**

HYPERGLYCEMIC OR FEEDING RESPONSE TO GLUCOPRIVATION AND HYPOTHALAMIC GLUCORECEPTORS. Muller EE, Pecile A, Cocchi D, Olgiati VR *Am J Physiol* 226:1100-9, May 74 (Eng)

**Peiper HJ**

[GASTROINTESTINAL HORMONES AND LOWER ESOPHAGEAL SPHINCTER] Siewert R, Waldeck F, Peiper HJ *Chirurg* 45:28-33, Jan 74 (Ger)

**Pelletier G**

PURIFICATION OF ADENOHYPHYPHYSEAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED ADENYLATE CYCLASE. Poirier G, De Lean A, Pelletier G, Lemay A, Labrie F *J Biol Chem* 249:316-22, 10 Jan 74 (Eng)

**Penton JR**

DETERMINATION OF GLUCOSE WITH A RESEARCH MODEL AMINCO ROTOCHROM BY THE HEXOKINASE REACTION. Hasson W, Penton JR, Widdowson GM *Clin Chem* 20:15-8, 1974 (Eng)

**Petermann J**

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)] Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena)* 46:15-24, 1973 (Ger)

[THE HISTOCHEMICAL EVIDENCE OF INSULIN IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL.)] Dorn A, Lorenz D, Petermann J, Beckert R *Acta Histochem (Jena)* 46:42-8, 1973 (Ger)

**Phibbs PV Jr**

TRANSPORT AND CATABOLISM OF D-FRUCTOSE BY SPIRILLUM INTERMEDIUM. Hylemon PB, Krieg NR, Phibbs PV Jr *J Bacteriol* 117:144-50, Jan 74 (Eng)

**Pickford GE**

SERUM COMPOSITION OF THE COELACANTH, LATIMERIA CHALUMNAE SMITH. Griffith RW, Umminger BL, Grant BF, Pang PK, Pickford GE *J Exp Zool* 187:87-102, Jan 74 (Eng)

**Pieloch PA**

THE METABOLIC EFFECTS OF NEUROLEPTANESTHESIA. Dobkin AB, Pieloch PA *Int Anesthesiol Clin* 11:155-69, Fall 73 (Eng) [31]

**Piering WF**

THE EFFECT OF GLUCOSE ON URINARY CATION EXCRETION DURING CHRONIC EXTRACELLULAR VOLUME EXPANSION IN NORMAL MAN. Lennon EJ, Lemann J Jr, Piering WF, Larson LS *J Clin Invest* 53:1424-33, May 74 (Eng)

**Pinggera WF**

[LARGE INTRAVENOUS DOSES OF CORTISONE IN RENAL TRANSPLANTATION] Stummvoll HK, Pinggera WF, Oppolzer R, Singer F, Wolf A *Wien Med Wochenschr* 124:232-5, Apr 74 (Ger)

**Pirouzmande B**

[NATURAL HISTORY OF CORONARY ATHEROSCLEROSIS IN IRANIAN WORKERS] Daneche Pajouh M, Montazami K, Hedayat C, Kamali P, Pirouzmande B *Arch Mal Coeur* 66:1201-10, Sep 73 (Fre)

**Pitkin RM**

FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES. Pitkin RM, Van Orden DE *Endocrinology* 94:1247-53, May 74 (Eng)

BLOOD SUGAR (metabolism); DIABETES MELLITUS (chemically induced, pathology, metabolism); FETUS (metabolism); GLYCOSURIA; INSULIN (blood); ORGAN WEIGHT; PANCREAS (pathology); PLACENTA; PREGNANCY; RATS; STREPTOZOTOCIN.

## Diabetes Literature—Author Index

### Pittman JA

#### Pittman JA

STIMULATION OF TSH RELEASE AND GLUCOSE OXIDATION IN PITUITARIES FROM THYROIDECTOMIZED RATS BY THYROTROPIN-RELEASING FACTOR (TRF). Dubovsky EV, Beschi RJ, Pittman JA, Lindsay RH *Ala J Med Sci* 10:270-7, Jul 73 (Eng)

#### Plevinskis VP

[CHANGE IN THE MUCOPOLYSACCHARIDE CONTENT IN THE TISSUES OF THE OCULAR DRAINAGE SYSTEM IN PRIMARY GLAUCOMA AND ITS ROLE IN THE DEVELOPMENT OF THE GLAUCOMATOUS PROCESS (A HISTOCHEMICAL STUDY)] Kashintseva LT, Plevinskis VP *Oftalmol Zh* 28:57-62, Jan 73 (Rus)

#### Plonk JW

INHIBITION OF HYPOGLYCEMIA-INDUCED CORTISOL SECRETION BY THE SEROTONIN ANTAGONIST CYPROHEPTADINE. Plonk JW, Bivens CH, Feldman JM *J Clin Endocrinol Metab* 38:836-40, May 74 (Eng)

BINDING, COMPETITIVE; BLOOD PROTEINS (metabolism); BLOOD SUGAR (metabolism); CYPROHEPTADINE (pharmacodynamics); HYDROCORTISONE (blood); HYPOGLYCEMIA (blood); METHYSERGIDE (pharmacodynamics); PROTEIN BINDING; SEROTONIN (antagonists & inhibitors); TIME FACTORS.

#### Podell RN

CURRENT STATUS OF THE CHOLESTEROL HYPOTHESIS. Podell RN *Am Fam Physician* 9:145-8, Jan 74 (Eng)

ARTERIOSCLEROSIS (chemically induced); CHOLESTEROL (blood, adverse effects); CORONARY DISEASE (complications, mortality, prevention & control, etiology); DIET, ATHEROGENIC; DIET THERAPY; DIETARY FATS (adverse effects); FATS, UNSATURATED; HYPERLIPIDEMIA (therapy); HYPERTENSION (complications); MACACA; MIDDLE AGE; MONKEYS; MYOCARDIAL INFARCT (prevention & control); SMOKING (complications).

#### Podolsky S

HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA. Marks LJ, Steinke J, Podolsky S, Egdahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)

#### Podos SM

SUBRETINAL FLUID BUTYRYLCHOLINESTERASE. 2. REOPERATED RHEGMATOUS DETACHMENTS AND DIABETIC TRACTION DETACHMENTS. Kaufman PL, Podos SM *Am J Ophthalmol* 77:19-24, Jan 74 (Eng)

#### Pohl A

[INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM] Verloren HJ, Lohmann D, Bruckner U, Pohl A, Bemm H *Dtsch Z Verdau Stoffwechselk* 33:89-95, 1973 (Ger)

#### Pointner H

[THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL)] Pointner H, Figel U, Waldhausl W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)

ADOLESCENCE; ADULT; BLOOD SUGAR (analysis, metabolism); GASTRIN (administration & dosage, blood, physiology); GLUCOSE TOLERANCE TEST; INSULIN (blood, secretion).

#### Poirier G

PURIFICATION OF ADENOHYPHYSAL PLASMA MEMBRANES AND PROPERTIES

OF ASSOCIATED ADENYLATE CYCLASE. Poirier G, De Lean A, Pelletier G, Lemay A, Labrie F *J Biol Chem* 249:316-22, 10 Jan 74 (Eng)

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PHOSPHORYLATION OF ADENOHYPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED PROTEIN KINASE. Lemay A, Deschenes M, Lemaire S, Poirier G, Poulin L, Labrie F *J Biol Chem* 249:323-8, 10 Jan 74 (Eng)

#### Pokryshkin VI

[A NEUROPHYSIOLOGIC ANALYSIS OF THE EFFECT OF INSULIN ON THE CENTRAL NERVOUS SYSTEM] Amiragova MG, Pokryshkin VI *Fiziol Zh SSSR* 59:1473-82, Oct 73 (Rus)

#### Poletaeva KA

[PARTICIPATION OF THE SEX HORMONES IN REALIZING THE REGULATORY INFLUENCE OF HYDROCORTISONE AND INSULIN ON ASPARTATE TRANSAMINASE ACTIVITY IN THE RENAL CORTEX OF MALE AND FEMALE RATS] Poletaeva KA *Vopr Med Khim* 19:358-61, Jul-Aug 73 (Rus)

AGE FACTORS; ASPARTATE AMINOTRANSFERASE (biosynthesis); CASTRATION; HYDROCORTISONE (pharmacodynamics); INSULIN, PROTAMINE ZINC (pharmacodynamics); KIDNEY CORTEX (enzymology, drug effects); RATS; SEX FACTORS; SEX HORMONES (physiology); TESTOSTERONE (pharmacodynamics, physiology); TIME FACTORS.

#### Pommelet P

[COMBINATION OF DIABETES AND SCLERODERMA] Fourrier A, Mouton YJ, Montois R, Zylberberg C, Pommelet P, Vanhille P *Sem Hop Paris* 49:2853-6, 26 Oct 73 (Fre)

#### Ponto KH

DEVELOPMENTAL ASPECTS OF GLUCOSE AND VFA METABOLISM IN THE GERM-FREE AND CONVENTIONAL RUMINANT. Ponto KH, Bergen WG *J Anim Sci* 38:893-9, Apr 74 (Eng)

ACETATES (administration & dosage, blood); ASPARTATE AMINOTRANSFERASE (analysis); BLOOD SUGAR (analysis); FASTING; FATTY ACIDS, VOLATILE (administration & dosage, metabolism); GERM-FREE LIFE; GLUCOSE (administration & dosage, metabolism); GLUCOSE TOLERANCE TEST; GLUCOSEPHOSPHATASE (analysis); GOATS (metabolism); LIVER (enzymology); MILK; PYRUVATE KINASE (analysis).

#### Porter P

EFFECT OF TOLBUTAMIDE ON THE METABOLISM OF TETRAHYMENA. Blum JJ, Connert RJ, Porter P *J Cell Physiol* 83:275-86, Apr 74 (Eng)

#### Posinovec J

THE GLYCOGEN IN SOME PARTS OF THE DIABETIC SKIN. Posinovec J, Skrabalo Z *Experientia* 30:305-6, 15 Mar 74 (Eng)

ADULT; BIOPSY; BLOOD SUGAR; DIABETES MELLITUS (blood, diagnosis, metabolism); EAR, EXTERNAL (analysis); GLYCOGEN (metabolism); MIDDLE AGE; PERIODIC ACIDS; PRE-DIABETIC STATE (metabolism); SKIN (metabolism); STAINS AND STAINING.

#### Postolov PM

[PHYSIOLOGICAL MECHANISMS AND CRITERIA OF EVALUATION OF THE INSULIN TEST (REVIEW OF THE LITERATURE)] Postolov PM, Naumov BA *Khirurgia (Mosk)* 49:119-25, Apr 73 (Rus) [103]

BLOOD SUGAR; GASTRIC JUICE (secretion); INSULIN (diagnostic use); PEPsin; PEPTIC ULCER (surgery, physiopathology); SEX FACTORS; STOMACH (innervation, secretion); TIME FACTORS; VAGOTOMY; VAGUS NERVE (physiology).

#### Potter VR

THE ROLE OF MESSENGER RNA IN TYROSINE AMINOTRANSFERASE SUPERINDUCTION: EFFECTS OF CAMPTOTHECIN ON HEPATOMA CELLS IN CULTURE. Bushnell DE, Becker JE, Potter VR *Biochem Biophys Res Commun* 56:815-21, 4 Feb 74 (Eng)

#### Poulin L

PHOSPHORYLATION OF ADENOHYPHYSAL PLASMA MEMBRANES AND PROPERTIES OF ASSOCIATED PROTEIN KINASE. Lemay A, Deschenes M, Lemaire S, Poirier G, Poulin L, Labrie F *J Biol Chem* 249:323-8, 10 Jan 74 (Eng)

#### Poulsen JE

[MONOCOMPONENT INSULIN] Poulsen JE *Ugeskr Laeger* 136:211-2, 21 Jan 74 (Dan)

CATTLE; CHROMATOGRAPHY; DIABETES MELLITUS (drug therapy); INSULIN (therapeutic use, isolation & purification); INSULIN ANTIBODIES; SWINE.

#### Powers JM

HYPOKALEMIC PERIODIC PARALYSIS. LOW ACTIVITY OF SARCOPLASMIC RETICULUM AND MUSCLE RIBOSOMES DURING AN INDUCED ATTACK. Ionescu V, Schochet SS Jr, Powers JM, Koob K, Conway TW *J Neurol Sci* 21:419-29, Apr 74 (Eng)

#### Pradel LA

YEAST 3-PHOSPHOGLYCERATE KINASE: EVIDENCE FOR A GLUTAMYL RESIDUE IN THE PHOSPHORYL TRANSFER. Brevet A, Roustan C, Desvages G, Pradel LA, Thoai N *Eur J Biochem* 39:141-7, 1 Nov 73 (Eng)

#### Prandota J

[PRESENT-DAY PROBLEMS OF THE THERAPEUTIC USE OF SOMATOTROPIN] Prandota J *Postepy Hig Med Dosw* 26:793-803, Nov-Dec 72 (Pol)

BONE DISEASES (drug therapy); CATTLE; DWARFISM, PITUITARY (drug therapy); HYPOGLYCEMIA (drug therapy); INSULIN (blood); POLIOMYELITIS (drug therapy); RATS; SOMATOTROPIN (pharmacodynamics, therapeutic use); TISSUE EXTRACTS.

#### Prior RL

EFFECTS OF MODIFYING UREA HYDROLYSIS IN ACUTE NEPHRECTOMY ON SURVIVAL, AMMONIA IN CECAL CONTENTS AND BLOOD METABOLITES. Prior RL, Visek WJ *Proc Soc Exp Biol Med* 144:184-8, 1 Oct 73 (Eng)

ACONITIC ACID (blood); AMMONIA (blood, analysis); ANTIBIOTICS (pharmacodynamics); BACTERIA (enzymology, metabolism); BLOOD; BLOOD SUGAR; CAPRYLATES (pharmacodynamics); CECUM; CITRATES (blood);

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### Prodrescu V

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### Prodhomme H

[URINARY INFECTION IN DIABETES] Schrub JC, Courtois H, Prodhomme H *Cah Med* 14:923-7, 30 Oct 73 (Fre)

### Proudlock JW

LIPID COMPOSITION AND METABOLIC ACTIVITY OF SUBCELLULAR FRACTIONS ISOLATED FROM RABBIT ATHEROSCLEROTIC LESIONS. Proudlock JW, Day AJ, Naughton JM *Exp Mol Pathol* 19:389-401, Dec 73 (Eng)

ALUMINUM; AORTA (pathology, metabolism); AORTA, ABDOMINAL (metabolism); AORTA, THORACIC (metabolism); ARTERIOSCLEROSIS (metabolism); CARBON RADIOISOTOPES; CELL FRACTIONATION; CHOLESTEROL (metabolism); CHROMATOGRAPHY; CHROMATOGRAPHY, GAS; CHROMATOGRAPHY, THIN LAYER; ELECTROPHORESIS; ESTERS (metabolism); FATTY ACIDS (blood, metabolism); OLEIC ACID (metabolism); PHOSPHOLIPIDS (metabolism); RABBITS; SUBCELLULAR FRACTIONS (metabolism); ULTRACENTRIFUGATION.

### Pruitt BA Jr

ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY. Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

### Prutseva NV

[SYMPTOMATIC AND PATHOGENETIC THERAPY IN METABOLIC ACIDOSIS] Monchenko GD, Prutseva NV *Eksp Khir Anesteziol* 18:57-61, Nov-Dec 73 (Rus)

### Puschett JB

COMPARATIVE STUDY OF THE EFFECTS OF METOLAZONE AND OTHER DIURETICS ON POTASSIUM EXCRETION. Puschett JB, Rastegar A *Clin Pharmacol Ther* 15:398-405, Apr 74 (Eng)

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### Pye EK

MULTIPLE IMMOBILIZED ENZYME REACTORS: DETERMINATION OF PYRUVATE AND PHOSPHOENOLPYRUVATE CONCENTRATIONS USING IMMOBILIZED LACTATE

DEHYDROGENASE AND PYRUVATE KINASE. Newirth TL, Diegelman MA, Pye EK, Kallen RG *Biotechnol Bioeng* 15:1089-100, Nov 73 (Eng)

### Pyke DA

LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS. Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)

### Quie PG

IMPAIRED LEUKOTACTIC RESPONSIVENESS IN PATIENTS WITH JUVENILE DIABETES MELLITUS. Hill HR, Sauls HS, Dettloff JL, Quie PG *Clin Immunol Immunopathol* 2:395-403, Apr 74 (Eng)

### Rabauzzo AM

INCREASED UROPEPSINOGEN EXCRETION IN DIABETES MELLITUS. Belfiore F, Lo Vecchio L, Napoli E, Borzi V, Rabauzzo AM *Clin Chem* 20:610-2, May 74 (Eng)

### Racine-Weisbuch MS

ADENOSINE 3,5 CYCLIC MONOPHOSPHATE ASSAY AT 10-15 MOLE LEVEL. Cailla HL, Racine-Weisbuch MS, Delaage MA *Anal Biochem* 56:394-407, Dec 73 (Eng)

### Radda GK

ENZYME CONFORMATION AND CONTROL. Dwek RA, Griffiths JR, Radda GK *Symp Soc Exp Biol* 27:49-63, 1973 (Eng)

### Rafaelsen OJ

HETEROGENEITY AND BIOCHEMICAL FINDINGS IN MANIC-MELANCHOLIC DISORDERS. Møllerup ET, Rafaelsen OJ *Acta Psychiatr Scand* 50:104-11, 1974 (Eng)

### Raju L

GLUCOSE INTOLERANCE IN DIABETES INSIPIDUS. Aloia JF, Raju L, Goldsmith S, Mendizabal E *Am J Med Sci* 267:89-98, Feb 74 (Eng)

### Ramachandran J

PROTEIN AND POLYPEPTIDE HORMONES AS INHIBITORS. Ramachandran J *Life Sci* 14:993-1005, 16 Mar 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (enzymology); ADRENAL GLANDS (cytology); AMINO ACID SEQUENCE; CELL DIFFERENTIATION (drug effects); CELL DIVISION (drug effects); CELL LINE; CORTICOTROPIN (pharmacodynamics); GLUCAGON (pharmacodynamics); HAMSTERS; HORMONES (pharmacodynamics); INSULIN (pharmacodynamics); LIVER (enzymology); MICE; MSH; OLIGOPEPTIDES (pharmacodynamics); PEPTIDES (pharmacodynamics); PITUITARY HORMONE RELEASING HORMONES (antagonists & inhibitors); PROTEINS (pharmacodynamics); RATS; SECRETIN (pharmacodynamics); SOMATOTROPIN RELEASING HORMONE (antagonists & inhibitors); STRUCTURE-ACTIVITY RELATIONSHIP.

### Ramachandran K

BETA CAROTENE METABOLISM IN DIABETES. Ramachandran K *Indian J Med Res* 61:1831-4, Dec 73 (Eng)

ADULT; CAROTENE (blood, metabolism); DIABETES MELLITUS (blood, metabolism); MIDDLE AGE; VITAMIN A (blood).

### Ramaiah A

SEDOHEPTULOSE-7-PHOSPHATE KINASE ACTIVITY OF PHOSPHOFRUCTOKINASE FROM THE DIFFERENT TISSUES OF RABBIT. Karadsheh NS, Tejwani GA, Ramaiah A *Biochim Biophys Acta* 327:66-81, 15 Nov 73 (Eng)

INTERCONVERTIBLE FORMS OF PHOSPHOFRUCTOKINASE OF RABBIT LIVER. THE ROLE OF EFFECTORS ON THE INTERCONVERSION. Ramaiah A, Tejwani GA *Eur J Biochem* 39:183-92, 1 Nov 73 (Eng)

ADENOSINE TRIPHOSPHATE; ALLOSTERIC REGULATION; CENTRIFUGATION, DENSITY GRADIENT; ENZYME ACTIVATION; FRUCTOSEPHOSPHATES; GEL FILTRATION; KINETICS; LIVER (enzymology); MODELS, BIOLOGICAL; PHOSPHOFRUCTOKINASE (metabolism); RABBITS.

### Ramos F

[INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)] Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL *Cah Med* 14:913-21, 30 Oct 73 (Fre)

### Ranney HM

ACQUIRED DISORDERS OF HEMOGLOBIN. Bradley TB, Ranney HM *Prog Hematol* 8:77-98, 1973 (Eng)

### Rao PU

EFFECTS OF LEUCINE AND ISOLEUCINE ON NICOTINAMIDE NUCLEOTIDES OF ERYTHROCYTES. Belavady B, Rao PU, Khan L *Int J Vitam Nutr Res* 43:442-53, Apr 73 (Eng)

### Rasio EA

METABOLIC CONTROL OF PERMEABILITY IN ISOLATED MESENTERY. Rasio EA *Am J Physiol* 226:962-8, Apr 74 (Eng)

ALBUMINS (metabolism); CELL MEMBRANE PERMEABILITY; CYANIDES (pharmacodynamics); DIFFUSION; DINITROPHENOLS (pharmacodynamics); GLUCOSE (metabolism); HISTAMINE (pharmacodynamics); INSULIN (metabolism, pharmacodynamics); INULIN (metabolism); KINETICS; MESENTERY (metabolism, physiology); POLYVINYLPIRROLIDONE (metabolism); RATS; TEMPERATURE; WATER (metabolism).

### Rasmussen H

SPECIFIC PHOTOAFFINITY LABELING OF THE ADENOSINE 3,5-CYCLIC MONOPHOSPHATE RECEPTOR IN INTACT GHOSTS FROM HUMAN ERYTHROCYTES. Guthrow CE, Rasmussen H, Brunswick DJ, Cooperman BS *Proc Natl Acad Sci USA* 70:3344-6, Dec 73 (Eng)

### Rastegar A

COMPARATIVE STUDY OF THE EFFECTS OF METOLAZONE AND OTHER DIURETICS ON POTASSIUM EXCRETION. Puschett JB, Rastegar A *Clin Pharmacol Ther* 15:398-405, Apr 74 (Eng)

### Rayfield EJ

ALTERED GROWTH HORMONE HOMEOSTASIS DURING ACUTE BACTERIAL SEPSIS IN THE RHESUS MONKEY. Rayfield EJ, George DT, Beisel WR *J Clin Endocrinol Metab* 38:746-54, May 74 (Eng)

BLOOD SUGAR (metabolism); CHLORPROMAZINE (pharmacodynamics); DIPLOCOCCUS PNEUMONIAE; FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; HOMEOSTASIS; MACACA; MONKEYS; PHENTOLAMINE (pharmacodynamics); PLACEBOS; PNEUMOCOCCAL INFECTIONS (blood); SALMONELLA INFECTIONS (blood); SALMONELLA TYPHIMURIUM; SODIUM CHLORIDE (pharmacodynamics); SOMATOTROPIN (blood); TIME FACTORS.

### Rayner PH

PROCEEDINGS: GROWTH HORMONE SECRETION DURING SLEEP IN SHORT CHILDREN:

## Diabetes Literature—Author Index

### Rebba A

A CONTINUOUS SAMPLING STUDY. Howse PM, Rayner PH, Williams JW, Rudd BT *Arch Dis Child* 49:246, Mar 74 (Eng)

### Rebba A

[RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cuttica F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)

### Redgrave TG

THE ROLE IN CHYLOMICRON FORMATION OF PHOSPHOLIPASE ACTIVITY OF INTESTINAL GOLGI MEMBRANES. Redgrave TG *Aust J Exp Biol Med Sci* 51:427-34, Aug 73 (Eng)

CALCIUM (pharmacodynamics); CARBON RADIOISOTOPES; CHYLOMICRONS (metabolism); DEOXYCHOLIC ACID (pharmacodynamics); EDTA (pharmacodynamics); GALACTOSE; GOLGI APPARATUS (enzymology); HEAT; HEXOSYLTRANSFERASES (metabolism); INTESTINES (cytology, enzymology); LECITHINS; LIPASE (metabolism); MEMBRANES (enzymology); PALMITIC ACID; PHOSPHOLIPASE (metabolism); PHOSPHORUS RADIOISOTOPES; RATS; SURFACE-ACTIVE AGENTS (pharmacodynamics); TRIGLYCERIDES; ULTRACENTRIFUGATION.

### Reding R

[IMMUNOHISTOCHEMICAL EVIDENCE OF THE CHANGE OF THE NUMBER OF GLUCAGON PRODUCING CELLS IN THE ISLETS OF LANGERHANS AFTER TRUNCULAR VAGOTOMY (AUTHORS TRANSL)] Lorenz D, Petermann J, Dorn A, Reding R, Beckert R *Acta Histochem (Jena)* 46:15-24, 1973 (Ger)

### Reemtsma K

VASCULAR TRANSPLANTATION OF THE RAT PANCREAS WITHOUT DUODENUM. Nozawa M, Weil R 3d, McIntosh R, Reemtsma K *Transplantation* 17:137-40, 1 Jan 74 (Eng)

### Refsum HE

SERUM ELECTROLYTE, FLUID AND ACID-BASE BALANCE AFTER PROLONGED HEAVY EXERCISE AT LOW ENVIRONMENTAL TEMPERATURE. Refsum HE, Tveit B, Meen HD, Stromme SB *Scand J Clin Lab Invest* 32:117-22, Oct 73 (Eng)

ACID-BASE EQUILIBRIUM; ADULT; AGE FACTORS; BLOOD PROTEINS (metabolism); BLOOD SUGAR (metabolism); BLOOD UREA NITROGEN; BODY WEIGHT; CARBON DIOXIDE (blood); COLD; CREATININE (blood); ELECTROLYTES (blood); EXERTION; HAPTOGLOBINS; HEMOGLOBIN; HYDROXYBUTYRATES (blood); MIDDLE AGE; PARTIAL PRESSURE; SKIN; TIME FACTORS; WATER-ELECTROLYTE BALANCE.

### Regnault F

[NEW ASPECTS OF THE TREATMENT OF DIABETIC RETINOPATHY] Regnault F, Barre Y, Rietzler X, Fouquier E, Aubert P, Molinier A, Zara M *Therapeutique* 49:505-7, Sep-Oct 73 (Fre)

ANTI-DIABETICS (therapeutic use); CYCLOPENTANE (therapeutic use); DIABETIC RETINOPATHY (drug therapy); FLUORESCENCE ANGIOGRAPHY; PLATELET ADHESIVENESS (drug effects); PYRROLES (therapeutic use); SULFONYLUREA COMPOUNDS (therapeutic use).

[ANGIOGRAPHIC CLASSIFICATION OF DIABETIC RETINOPATHY] Regnault F, Rietzler X, Chaslerie D *Bull Soc Ophthalmol Fr* 73:71-8, Jan 73 (Fre)

ANEURYSM (radiography); DIABETIC RETINOPATHY (classification, radiography);

EXUDATES AND TRANSUDATES; FLUORESCENCE ANGIOGRAPHY; FUNDUS OCULI (radiography); RETINAL VESSELS (radiography).

ULTRASTRUCTURAL STUDY OF CONJUNCTIVAL CAPILLARIES AND BIOCHEMICAL STUDY OF CONJUNCTIVA IN THE COURSE OF HUMAN AND ANIMAL DIABETES. Regnault F, Kern P *Bibl Anat* 11:459-67, 1973 (Eng)

ADULT; BASEMENT MEMBRANE (pathology); BIOPSY; CAPILLARIES (metabolism, pathology); CARBON RADIOISOTOPES; COLLAGEN (metabolism); CONJUNCTIVA (analysis, metabolism, pathology, blood supply); DIABETIC ANGIOPATHIES (metabolism, pathology); GLUCOSAMINE (metabolism); GLYCOPROTEINS (metabolism); MICE; MICE, INBRED STRAINS; MICROSCOPY, ELECTRON; MIDDLE AGE; PROLINE (metabolism); TRITIUM.

### Reinauer H

[THE CATABOLISM OF REDUCED OLIGOSACCHARIDES IN MAN AND RAT] Dierkes L, Busing G, Reinauer H *Z Ernahrungswiss* 12:209-17, Sep 73 (Ger)

### Reiss E

DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION. McCarty DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)

### Reissigl H

[METABOLIC DISORDERS IN PATIENTS WITH BILLROTH II RESECTION] Schwamberger K, Reissigl H, Falser N *Zentralbl Chir* 98:1105-10, 3 Aug 73 (Ger)

### Reitz RC

THE MECHANISM OF ACTION OF ADRENOCORTICOTROPIC HORMONE. THE ROLE OF MITOCHONDRIAL CHOLESTEROL ACCUMULATION IN THE REGULATION OF STEROIDOGENESIS. Mahaffee D, Reitz RC, Ney RL *J Biol Chem* 249:227-33, 10 Jan 74 (Eng)

### Remer E

[LETTER: GLUCOSE-FREE DIALYSATE IN HEMODIALYSIS] Remer E *Dtsch Med Wochenschr* 99:162-3, 25 Jan 74 (Ger)

GLUCOSE (adverse effects); HEMODIALYSIS; KIDNEY FAILURE, CHRONIC (therapy).

### Restian A

[CYBERNETIC PATHOLOGY: CYBERNOSIS] Restian A *G Clin Med* 54:598-609, Sep 73 (Ita)

ARTERIOSCLEROSIS (physiopathology); CYBERNETICS; DIABETES MELLITUS (physiopathology); ENERGY METABOLISM; FEEDBACK; HOMEOSTASIS; HYPERTENSION (physiopathology); INFORMATION THEORY.

### Rey F

INFLUENCE OF FLOW RATE ON THE KINETICS OF THE INTESTINAL ABSORPTION OF GLUCOSE AND LYSINE IN CHILDREN. Rey F, Drillet F, Schmitz J, Rey J *Gastroenterology* 66:79-85, Jan 74 (Eng)

CHILD, PRESCHOOL; CHROMATOGRAPHY, ION EXCHANGE; GLUCOSE (administration & dosage, analysis, metabolism); INFANT; INTESTINAL ABSORPTION; INTUBATION, GASTROINTESTINAL; KINETICS; LYSINE (administration & dosage, analysis, metabolism); PER-FUSION.

### Rey J

INFLUENCE OF FLOW RATE ON THE KINETICS OF THE INTESTINAL ABSORPTION OF GLUCOSE AND LYSINE IN CHILDREN. Rey F, Drillet F, Schmitz J, Rey J *Gastroenterology* 66:79-85, Jan 74 (Eng)

### Reyes FI

LONG-TERM THERAPY WITH LOW-DOSE CISCLOMIPHENE IN MALE INFERTILITY: EFFECTS ON SEMEN, SERUM FSH, LH, TESTOSTERONE AND ESTRADIOL, AND CARBOHYDRATE TOLERANCE. Reyes FI, Faiman C *Int J Fertil* 19:49-55, 1974 (Eng) [27]

CARBOHYDRATES (metabolism); CELL MOVEMENT; CLOMIPHENE (administration & dosage, pharmacodynamics, therapeutic use); ESTRADIOL (blood); FSH (blood); GLUCOSE TOLERANCE TEST; INSULIN (blood); LH (blood); SEMEN (analysis, drug effects); SEX BEHAVIOR (drug effects); SPERMATOZOA; STERILITY, MALE (drug therapy); TESTIS (drug effects); TESTOSTERONE (blood).

### Reynolds EW Jr

ELECTROLYTES AND THE ELECTROCARDIOGRAM. VanderArk CR, Ballantyne F 3d, Reynolds EW Jr *Cardiovas Clin* 5:269-94, 1973 (Eng) [52]

### Rhoades RA

NET UPTAKE OF GLUCOSE, GLYCEROL, AND FATTY ACIDS BY THE ISOLATED PERFUSED RAT LUNG. Rhoades RA *Am J Physiol* 226:144-9, Jan 74 (Eng)

FASTING; FATTY ACIDS (metabolism); GLUCOSE (metabolism); GLYCINE (metabolism); LACTATES (metabolism); LUNG (metabolism); PALMITIC ACID (metabolism); RATS.

### Ribet A

[ENDOCRINE CELLS OF THE HUMAN DUODENAL MUCOSA. ULTRASTRUCTURAL STUDY] Frexinos J, Balas D, Ribet A *Biol Gastroenterol (Paris)* 6:105-17, Mar 73 (Fre)

### Rich TL

POTASSIUM CONTRACTURE AND UTILIZATION OF HIGH-ENERGY PHOSPHATES IN RABBIT HEART. Rich TL, Brady AJ *Am J Physiol* 226:105-13, Jan 74 (Eng)

ADENINE NUCLEOTIDES (metabolism); ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); CALCIUM (metabolism); GLYCOLYSIS (drug effects); HEART (physiology); HEART SEPTUM (drug effects, metabolism); IODOACETATES (pharmacodynamics); MUSCLE CONTRACTION; NITROGEN (pharmacodynamics); OXIDATIVE PHOSPHORYLATION (drug effects); PHOSPHOCREATINE (metabolism); POTASSIUM CHLORIDE (pharmacodynamics); PROPRANOLOL (pharmacodynamics); RABBIT; SARCOPLASMIC RETICULUM (metabolism).

### Richardson DG

ESTIMATING LECITHIN-SPHINGOMYELIN AREA RATIO IN AMNIOTIC FLUID. A MODIFIED METHOD FOR THE PREDICTION OF NEONATAL RESPIRATORY DISTRESS. Richardson DG *S Afr Med J* 48:690-4, 6 Apr 74 (Eng)

AMNIOTIC FLUID (analysis); BLOOD GROUP INCOMPATIBILITY (therapy); CHROMATOGRAPHY, THIN LAYER; INFANT, NEWBORN; LECITHINS (analysis); METHODS; MOLYBDENUM; PLACENTA DISORDERS (therapy); PREGNANCY; PREGNANCY COMPLICATIONS (therapy); PREGNANCY IN DIABETES (therapy); PRENATAL DIAGNOSIS; RESPIRATORY DISTRESS SYNDROME (diagnosis); RH FACTORS; SPHINGOMYELINS (analysis); TIME FACTORS.

### Richardson TJ

RESPONSIVENESS OF HUMAN SUBJECTS TO HUMAN GROWTH HORMONE: RELATION TO BONE AGE. Rudman D, Patterson JH, Gibbas DL, Richardson TJ, Awrich AI, Anthony AE, Bixler TJ 2d, Giansanti JS *J Clin Endocrinol Metab* 38:848-55, May 74 (Eng)

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Roustan C

### Riederle K

[STUDIES ON THE EFFECT OF SULFAMETHOXYPIRAZINE (LONGUM) ON CARBOHYDRATE METABOLISM IN DIABETIC PATIENTS] Stotter G, Riederle K *Fortschr Med* 92:442-4, 11 Apr 74 (Ger)

### Riet HG van

[DIABETES AND PREGNANCY] Riet HG van, Kal J, Haspels AA *Ned Tijdschr Geneesk* 118:131-8, 26 Jan 74 (Dut) [37]

ABNORMALITIES; ABORTION; ESTROGENS; FETAL DEATH; HYALINE MEMBRANE DISEASE; HYDRAMNIOS; INSULIN; PLACENTAL LACTOGEN; PREGNANCY; PREGNANCY IN DIABETES (therapy, diagnosis); PROGESTERONE; SOMATOTROPIN; THYROXINE; TRANSCORTIN.

### Rietzler X

[NEW ASPECTS OF THE TREATMENT OF DIABETIC RETINOPATHY] Regnault F, Barre Y, Rietzler X, Fouquier E, Aubert P, Molinier A, Zera M *Therapeutique* 49:505-7, Sep-Oct 73 (Fre)

[ANGIOGRAPHIC CLASSIFICATION OF DIABETIC RETINOPATHY] Regnault F, Rietzler X, Chaslerie D *Bull Soc Ophthalmol Fr* 73:71-8, Jan 73 (Fre)

### Ritter U

[CARBOHYDRATE TOLERANCE, INSULIN SECRETION AND INSULIN SENSITIVITY IN ACUTE PANCREATITIS] Adlung J, Koch C, Ritter U *Z Gastroenterol* 12:81-6, Mar 74 (Ger)

### Rizack MA

LIPOLYTIC ACTIVITY OF MET-ARG-HIS-PHE-ARG-TRP-GLY, A SYNTHETIC ANALOG OF THE ACTH (4-10) CORE SEQUENCE. Draper MW, Merrifield RB, Rizack MA *J Med Chem* 16:1326-30, Dec 73 (Eng)

### Robbie DE

EFFECTS OF ADH AND OTHER AGENTS ON CYCLIC AMP ACCUMULATION IN TOAD BLADDER EPITHELIUM. Omachi RS, Robbie DE, Handler JS, Orloff J *Am J Physiol* 226:1152-7, May 74 (Eng)

### Robinson BH

THE ROLE OF MITOCHONDRIAL TRICARBOXYLATE ANION TRANSPORT IN METABOLISM. Robinson BH *Symp Soc Exp Biol* 27:195-214, 1973 (Eng) [32]

BIOLOGICAL TRANSPORT, ACTIVE; CARBON RADIOISOTOPES; CITRATES (metabolism); GLUCONEOGENESIS; LIPIDS (metabolism); MALATES (metabolism); MALONATES (metabolism); MITOCHONDRIA (metabolism); MITOCHONDRIA, LIVER (metabolism); OXIDATION-REDUCTION; PHOSPHOENOLPYRUVATE (metabolism); PHOSPHOENOLPYRUVATE CARBOXYKINASE (metabolism); TRICARBOXYLIC ACIDS (metabolism).

### Rodriguez Lopez E

[CHANGES IN GLUCOSE METABOLISM IN LIVER CIRRHOSIS] Rodriguez Lopez E, Rojas L, Landa L *Rev Gastroenterol Mex* 37:89-95, Mar-Apr 72 (Spa)

ADULT; AGED; BLOOD SUGAR (analysis); FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE (metabolism); GLUCOSE TOLERANCE TEST; INSULIN (blood, secretion); ISLANDS OF LANGERHANS (secretion); LIVER (metabolism); LIVER CIRRHOSIS (complications, metabolism); MIDDLE AGE; RADIOIMMUNOASSAY; STIMULATION, CHEMICAL.

### Rodriguez-Minon JL

[INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)] Serrano-Rios M, Ramos F,

Vivanco F, Rodriguez-Minon JL *Cah Med* 14:913-21, 30 Oct 73 (Fre)

### Rogers M

DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS. Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)

### Rognum TO

[FAT CELL SIZE IN 14 FEMALE OVERWEIGHT PATIENTS] Rognum TO, Kindt E *Tidsskr Nor Laegeforen* 93:1737-9, 10 Sep 73 (Nor)

ADIPOSE TISSUE (metabolism, pathology); ADULT; AGED; BIOPSY, NEEDLE; BODY HEIGHT; BODY WEIGHT; CELL COUNT; DIET, REDUCING; HYPERPLASIA; HYPERTROPHY; LIPIDS (metabolism); MICROSCOPY, ELECTRON; MIDDLE AGE; OBESITY (metabolism, pathology).

### Rojas L

[CHANGES IN GLUCOSE METABOLISM IN LIVER CIRRHOSIS] Rodriguez Lopez E, Rojas L, Landa L *Rev Gastroenterol Mex* 37:89-95, Mar-Apr 72 (Spa)

### Rokkanen P

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

BLOOD PRESSURE (drug effects); BLOOD SUGAR (analysis); BLOOD TRANSFUSION; BLOOD UREA NITROGEN; CREATININE (blood); EMBOLISM, FAT (complications); EOSINOPHILS; HEMORRHAGE, GASTROINTESTINAL (therapy); HEPARIN (therapeutic use); INJECTIONS, INTRAVENOUS; LACTATES (blood); LEUKOCYTE COUNT; METHYLPREDNISOLONE (administration & dosage, therapeutic use); POTASSIUM (urine); SHOCK, TRAUMATIC (drug therapy); SODIUM (urine); SULFOBROMOPHTHALEIN (diagnostic use).

### Romeo F

ENZYMES OF GLUCOSE METABOLISM IN LIVER OF SUBJECTS WITH ADULT-ONSET DIABETES. Belfiore F, Romeo F, Napoli E, Lo Vecchio L *Diabetes* 23:293-301, Apr 74 (Eng)

### Rommel K

[DIAGNOSTIC VALIDITY OF THE INTRAVENOUS GALACTOSE TOLERANCE TEST IN LIVER CIRRHOSIS (AUTHORS TRANSL.)] Bohmer R, Rommel K *Acta Hepatogastroenterol (Stuttg)* 19:344-56, Sep-Oct 72 (Ger)

### Romslo I

ENERGY-DEPENDENT ACCUMULATION OF IRON BY ISOLATED RAT LIVER MITOCHONDRIA. II. RELATIONSHIP TO THE ACTIVE TRANSPORT OF CA20. Romslo I, Flatmark T *Biochim Biophys Acta* 325:38-46, 19 Oct 73 (Eng)

BINDING SITES; BIOLOGICAL TRANSPORT (drug effects); BIOLOGICAL TRANSPORT, ACTIVE; CALCIUM (pharmacodynamics, metabolism); CARBON RADIOISOTOPES; CHLOROBENZENES (pharmacodynamics); COBALT (pharmacodynamics); DYES (pharmacodynamics); HYDRAZONES (pharmacodynamics); IRON (metabolism); IRON RADIOISOTOPES; LANTHANUM (pharmacodynamics); MITOCHONDRIA, LIVER (drug effects, metabolism); NITRILES (pharmacodynamics); ORGANOMETALLIC COMPOUNDS (pharmacodynamics); POLYAMINES (pharmacodynamics); RATS; RUTHENIUM (pharmacodynamics); SPECTROPHOTOMETRY;

SUCROSE (metabolism); SULFHYDRYL REAGENTS (pharmacodynamics); UNCOUPLING AGENTS (pharmacodynamics).

### Rosai J

THE HUMAN PANCREATIC ISLET CELLS AND THEIR TUMORS. II. ULCEROGENIC AND DIARRHOEAGENIC TUMORS. Greider MH, Rosai J, McGuigan JE *Cancer* 33:1423-43, May 74 (Eng)

### Rosegger H

[DIAGNOSIS OF HYPOGLYCAEMIA IN NEWBORN BABIES WITH DEXTROSTIX (AUTHORS TRANSL.)] Rosegger H, Beitzke A *Paediatr Paedol* 9:104-8, 1974 (Ger)

BLOOD SUGAR (analysis); HYPOGLYCEMIA (blood); INDICATORS AND REAGENTS; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (blood); METHODS; REAGENT STRIPS; TIME FACTORS.

### Rosenberg B

CONTRIBUTION TO THE ELECTROCHEMISTRY OF BIMOLECULAR LIPID MEMBRANES. Karvaly B, Rosenberg B, Pant HC, Kemeny G *Biophysik* 10:199-212, 1973 (Eng)

### Rosenfeld IS

INHIBITION OF FATTY ACID SYNTHESIS BY THE ANTIBIOTIC CERULENIN. SPECIFIC INACTIVATION OF BETA-KETOACYL-ACYL CARRIER PROTEIN SYNTHETASE. D'Agnolo G, Rosenfeld IS, Awaya J, Omura S, Vagelos PR *Biochim Biophys Acta* 326:155-6, 29 Nov 73 (Eng)

### Rossi F

BIOCHEMICAL STUDIES ON THE EFFECT OF PAPAVERINE ON POLYMORPHONUCLEAR LEUCOCYTES. Patriarca P, Cramer R, Dri P, Soranzo MR, Rossi F *Biochem Pharmacol* 22:3257-66, 15 Dec 73 (Eng)

### Roth J

HYPOGLYCEMIA IN ASSOCIATION WITH EX-TRAPANCREATIC TUMORS: DEMONSTRATION OF ELEVATED PLASMA NSILA-S BY A NEW RADIORECEPTOR ASSAY. Megyesi K, Kahn CR, Roth J, Gorden P *J Clin Endocrinol Metab* 38:931-4, May 74 (Eng)

### Rous S

THE ROLE OF ACETOACETATE IN THE TRANSFER OF ACETYL UNITS OUTSIDE THE MITOCHONDRIA IN LIVER AND ADIPOSE TISSUE OF RATS OR MICE. Rous S, Favarger P *Feb's Lett* 37:231-4, 1 Dec 73 (Eng)

ACETOACETATES (metabolism); ACETYL COENZYME A (metabolism); ADIPOSE TISSUE (cytology, metabolism); BIOLOGICAL TRANSPORT; CARBON RADIOISOTOPES; COENZYME A (metabolism); LEUCINE (metabolism); MICE; MITOCHONDRIA (metabolism); MITOCHONDRIA, LIVER (metabolism); ORGAN SPECIFICITY; RATS; SPECIES SPECIFICITY.

### Rousseau GG

NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS. Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

### Roustan C

YEAST 3-PHOSPHOGLYCERATE KINASE: EVIDENCE FOR A GLUTAMYL RESIDUE IN THE PHOSPHORYL TRANSFER. Brevet A, Roustan C, Desvages G, Pradel LA, Thoai N *Eur J Biochem* 39:141-7, 1 Nov 73 (Eng)

## Diabetes Literature—Author Index

### Royer RJ

#### Royer RJ

[LETTER: ULCERO-MUTILATING ACROPATHIES AND DIABETIC PERFORATING PLANTAR DISEASES] Schmidt C, Royer RJ *Nouv Presse Med* 3:528, 2 Mar 74 (Fre)

#### Rozov H

THE EFFECTS OF XANTHINOL NICOTINATE ON THE SMALL BLOOD VESSELS. Davis E, Rozov H *Bibl Anat* 11:334-9, 1973 (Eng)

#### Rudd BT

PROCEEDINGS: GROWTH HORMONE SECRETION DURING SLEEP IN SHORT CHILDREN: A CONTINUOUS SAMPLING STUDY. Howse PM, Rayner PH, Williams JW, Rudd BT *Arch Dis Child* 49:246, Mar 74 (Eng)

#### Rudman D

RESPONSIVENESS OF HUMAN SUBJECTS TO HUMAN GROWTH HORMONE: RELATION TO BONE AGE. Rudman D, Patterson JH, Gibbas DL, Richardson TJ, Awrich AI, Anthony AE, Bixler TJ 2d, Giansanti JS *J Clin Endocrinol Metab* 38:848-55, May 74 (Eng)

ADOLESCENCE; AGE DETERMINATION BY SKELETON; AGE DETERMINATION BY TEETH; ARGININE (diagnostic use); CHILD; DWARFISM (drug therapy, blood); INSULIN (diagnostic use); NITROGEN (blood); PHOSPHORUS (blood); POTASSIUM (blood); SODIUM (blood); SOMATOTROPIN (administration & dosage, therapeutic use).

#### Rull J

[LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLOROPAMIDE-METFORMIN] Schulte J, Garcia Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)

#### Runyan JW Jr

DECENTRALIZED MEDICAL CARE OF CHRONIC DISEASE. Runyan JW Jr *Trans Assoc Am Physicians* 86:237-44, 1973 (Eng)

ADOLESCENCE; ADULT; AGED; AMBULATORY CARE; CHILD; CHRONIC DISEASE; CORONARY DISEASE; COSTS AND COST ANALYSIS; DIABETES MELLITUS; HOME CARE SERVICES; HOSPITAL OUTPATIENT CLINICS; HOSPITALIZATION; HYPERTENSION; MIDDLE AGE; NURSE PRACTITIONER.

#### Rutishauser M

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppingier K *J Pediatr* 84:821-4, Jun 74 (Eng)

#### Ryan NT

OZONE POISONING IN MAN: CLINICAL MANIFESTATIONS AND DIFFERENTIAL DIAGNOSIS—A REVIEW. Clowes GH Jr, O'Donnell TF Jr, Ryan NT, Blackburn GL *Ann Surg* 179:684-96, May 74 (Eng)

#### Sabater B

TRANSPORT OF HEXOSES IN STREPTOMYCES VIOLACEORUBER. Sabater B, Asensio C *Eur J Biochem* 39:201-5, 1 Nov 73 (Eng)

BIOLOGICAL TRANSPORT; BIOLOGICAL TRANSPORT, ACTIVE; CARBON RADIOISOTOPES; FRUCTOSE (metabolism); GLUCOSE (metabolism); KINETICS; MANNOSE (metabolism); SPORES, FUNGAL (growth & development, metabolism); STREPTOMYCES (metabolism).

#### Sadjimin T

LACTOSE TOLERANCE TEST ON INDONESIAN NEWBORN INFANTS. Surjono A, Surjantoro, Sadjimin T, Ismangun *Paediatr Indones* 13:11-6, Jan 73 (Eng)

#### Sadowski W

[EFFECT OF GROWTH HORMONE (STH) ON THE DYNAMICS OF ANTIBODY FORMATION IN ANIMALS IMMUNIZED WITH RS VIRUS] Wilczynski J, Sadowski W *Med Dosw Mikrobiol* 25:327-33, 1973 (Pol)

#### Sahni AL

FIBRINOAGGULOPATHY IN MATURITY ONSET DIABETES MELLITUS AND ATHEROSCLEROSIS. Banerjee RN, Sahni AL, Kumar V *Thromb Diath Haemorrh* 30:123-32, 15 Sep 73 (Eng)

#### Sailer S

[BASAL AND NORADRENALIN-STIMULATED LIPOLYSIS IN ISOLATED HUMAN FAT CELLS UNDER ISOCALORIC AND HYPOCALORIC DIET (AUTHORS TRANSL)] Lisch HJ, Dittrich P, Sailer S, Sandhofer F, Braunssteiner H *Klin Wochenschr* 51:735-7, 15 Jul 73 (Ger)

#### Saito Y

EFFECTS OF MUCOSAL HYPEROSMOLARITY ON ACTIVE SUGAR TRANSPORT AND THE SUGAR-EVOKED POTENTIAL IN ISOLATED SMALL INTESTINE OF THE TOAD. Saito Y, Hoshi T *Jap J Physiol* 23:419-34, Aug 73 (Eng)

BIOLOGICAL TRANSPORT, ACTIVE; BUFO; EVOKED POTENTIALS; GALACTOSE (metabolism); GLUCOSE (pharmacodynamics, metabolism); INTESTINAL MUCOSA (physiology); INTESTINE, SMALL (physiology, metabolism); OSMOLAR CONCENTRATION; OSMOSIS.

FAMILIAL CHRONIC PANCREATITIS ASSOCIATED WITH PANCREATIC LITHIASIS. Sato T, Saito Y *Am J Surg* 127:511-7, May 74 (Eng)

#### Sakamoto Y

[PROCEEDINGS: 27. ELECTRICAL CHARACTERISTICS OF PANCREATIC ISLET CELLS OF THE MOUSE (AUTHORS TRANSL)] Sakamoto Y, Matthews EK *J Physiol Soc Jap* 35:392, Aug-Sep 73 (Jap)

ACTION POTENTIALS; CALCIUM (metabolism); ISLANDS OF LANGERHANS (cytology); MEMBRANE POTENTIALS; MICE.

#### Salganik RI

[INHIBITION OF THE ACTIVITY OF KEY GLYCOLYTIC ENZYMES IN RAT LIVERS FOLLOWING PROLONGED INSULIN ADMINISTRATION] Gordienko OE, Chesnokov VN, Mertvetsov NP, Salganik RI *Probl Endokrinol (Mosk)* 19:78-82, Jul-Aug 73 (Rus)

#### Salomon MI

LETTER: RENAL DISEASE AND DIABETES. Salomon MI *Arch Intern Med* 133:868, May 74 (Eng)

DIABETIC NEPHROPATHIES (diagnosis, physiopathology, etiology).

#### Samra SA

VARIATIONS IN THE LEVEL OF HUMAN SERUM ALBUMIN DURING GLUCOSE TOLERANCE TEST. Awdeh ZL, Islam MR, Samra SA *Biochem Biophys Res Commun* 56:358-62, 23 Jan 74 (Eng)

#### Samuels HH

THYROID HORMONE ACTION IN CELL CULTURE: DEMONSTRATION OF NUCLEAR RECEPTORS IN INTACT CELLS AND ISOLATED NUCLEI. Samuels HH, Tsai JS *Proc Natl Acad Sci USA* 70:3488-92, Dec 73 (Eng)

BINDING SITES; CELL LINE; CELL NUCLEUS (metabolism); CYTOSOL (metabolism); IODINE RADIOISOTOPES; KINETICS; MITOCHONDRIA (metabolism); PITUITARY NEOPLASMS; RATS; RECEPTORS, HORMONE; SUBCELLULAR FRACTIONS (metabolism); THYROXINE (metabolism); TRIIODOTHYRONINE (metabolism).

#### Sandhofer F

[BASAL AND NORADRENALIN-STIMULATED LIPOLYSIS IN ISOLATED HUMAN FAT CELLS UNDER ISOCALORIC AND HYPOCALORIC DIET (AUTHORS TRANSL)] Lisch HJ, Dittrich P, Sailer S, Sandhofer F, Braunssteiner H *Klin Wochenschr* 51:735-7, 15 Jul 73 (Ger)

#### Sandine WE

CARBOHYDRATE METABOLISM IN LACTIC STREPTOCOCCI: FATE OF GALACTOSE SUPPLIED IN FREE OR DISACCHARIDE FORM. Lee R, Molskness T, Sandine WE, Elliker PR *Appl Microbiol* 26:951-8, Dec 73 (Eng)

#### Sandront H

GLUCOSE-INSULIN INTERACTION AND THE MODULATION OF HUMAN PLACENTAL LACTOGEN (HPL) SECRETION DURING PREGNANCY. Gaspard U, Sandront H, Luyckx A *J Obstet Gynaecol Br Commonw* 81:201-9, Mar 74 (Eng)

#### Sanwal BD

COOPERATIVE INTERACTIONS IN THE BINDING OF ALLOSTERIC EFFECTORS TO PHOSPHOENOLPYRUVATE CARBOXYLASE. Smando R, Waygood EB, Sanwal BD *J Biol Chem* 249:182-90, 10 Jan 74 (Eng)

THE CONTROL OF PYRUVATE KINASES OF ESCHERICHIA COLI. I. PHYSICO-CHEMICAL AND REGULATORY PROPERTIES OF THE ENZYME ACTIVATED BY FRUCTOSE 1,6-DIPHOSPHATE. Waygood EB, Sanwal BD *J Biol Chem* 249:265-74, 10 Jan 74 (Eng)

#### Sato T

FAMILIAL CHRONIC PANCREATITIS ASSOCIATED WITH PANCREATIC LITHIASIS. Sato T, Saito Y *Am J Surg* 127:511-7, May 74 (Eng)

ADOLESCENCE; ADULT; AGE FACTORS; AMINO ACIDS (urine); CALCULI (diagnosis, surgery, complications); GLUCOSE TOLERANCE TEST; LIPIDS (analysis); MIDDLE AGE; PANCREATIC DISEASES (complications, familial & genetic); PANCREATITIS (complications, diagnosis, surgery, familial & genetic); PARATHYROID GLANDS (physiopathology); SECRETIN (analysis).

#### Sauls HS

IMPAIRED LEUKOTACTIC RESPONSIVENESS IN PATIENTS WITH JUVENILE DIABETES MELLITUS. Hill HR, Sauls HS, Dettloff JL, Quie PG *Clin Immunol Immunopathol* 2:395-403, Apr 74 (Eng)

#### Schade DS

EFFECT OF CLOFIBRATE ON ARGININE-STIMULATED GLUCAGON AND INSULIN SECRETION IN MAN. Eaton RP, Schade DS *Metabolism* 23:445-54, May 74 (Eng)

#### Schafer HJ

THE SIGNIFICANCE OF CALCIUM IN INSULIN SECRETION. ULTRASTRUCTURAL STUDIES ON IDENTIFICATION AND LOCALIZATION OF CALCIUM IN ACTIVATED AND INACTIVATED B CELLS OF MICE. Schafer HJ, Kloppel G *Virchows Arch [Pathol Anat]* 362:231-45, 1974 (Eng)

CALCIUM (physiology, metabolism); CELL MEMBRANE; CYTOPLASMIC GRANULES; ENDOPLASMIC RETICULUM; GLYOXAL;

GOLGI APPARATUS; HISTOCYTOCHEMISTRY; HYPERGLYCEMIA (metabolism); HYPOGLYCEMIA (metabolism); IMMUNE SERUMS (pharmacodynamics); INSULIN (pharmacodynamics, secretion); ISLANDS OF LANGERHANS (drug effects, metabolism, cytology); METHODS; MICE; MICROSCOPY, ELECTRON; MICROSCOPY, ELECTRON, SCANNING; MITOCHONDRIA; X-RAY DIFFRACTION.

#### Schaion G

[DIAGNOSIS AND CURRENT TREATMENT OF DIABETES INSIPIDUS. APROPOS OF 10 CASES] Schaion G, Nathan C, Gilbert-Dreyfus *Sem Hop Paris* 49:2825-31, 26 Oct 73 (Fre)

ADULT; CARBAMAZEPINE (therapeutic use); CHLORPROPAMIDE (adverse effects, therapeutic use); CLOFIBRATE (therapeutic use); DELAYED-ACTION PREPARATIONS; DIABETES INSIPIDUS (drug therapy, diagnosis); DIURETICS, THIAZIDE (therapeutic use); METHODS; MIDDLE AGE; PITUITARY HORMONES, POSTERIOR (therapeutic use); STATISTICS; VASOPRESSIN (diagnostic use, therapeutic use).

#### Schally AV

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPITUITARY PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

#### Scheiber V

[A SUGGESTION FOR THE ORDERING OF CLINICAL CHEMICAL LABORATORIES ACCORDING TO THE RELIABILITY OF THEIR ANALYTICAL RESULTS (AUTHORS TRANSL.)] Bauer P, Havelec L, Kaiser E, Scheiber V, Wohlzogen FX *Z Klin Chem Klin Biochem* 11:174-5, Apr 73 (Ger)

#### Scheid CR

MONOLAYER CULTURES DERIVED FROM NEONATAL HAMSTER PANCREAS. LIGHT AND ELECTRON MICROSCOPY. Scheid CR, Macchi JA *J Cell Biol* 60:685-94, Mar 74 (Eng)

ANIMALS, NEWBORN; ANTIBODIES; CATTLE; CELLS, CULTURED; EVALUATION STUDIES; GLUCAGON (analysis); GLUCOSE (pharmacodynamics); HAMSTERS; HISTOCYTOCHEMISTRY; INSULIN (analysis, secretion); INSULIN ANTIBODIES; ISLANDS OF LANGERHANS (drug effects, secretion); METHODS; MICROSCOPY, ELECTRON; PANCREAS (drug effects, cytology); RADIOIMMUNOASSAY; STAINS AND STAINING; SWINE; TIME FACTORS; TOLBUTAMIDE (pharmacodynamics); TRYPSIN.

#### Schimmer BP

INFLUENCE OF LITHIUM IONS ON EPINEPHRINE-STIMULATED ADENYLATE CYCLASE ACTIVITY IN CULTURED GLIAL TUMOR CELLS. Schimmer BP *Biochim Biophys Acta* 327:186-92, 15 Nov 73 (Eng)

ACETIC ACIDS; ADENOSINE TRIPHOSPHATE (pharmacodynamics); ADENYL CYCLASE (metabolism); ASTROCYTOMA (pathology, enzymology); CALCIUM (pharmacodynamics); CARBON RADIOISOTOPES; CLONE CELLS; ENZYME ACTIVATION; EPINEPHRINE (pharmacodynamics); GLYCOLS; KINETICS; LITHIUM (pharmacodynamics); MAGNESIUM (pharmacodynamics); NEUROGLIA; RATS; SUBCELLULAR FRACTIONS (drug effects, enzymology); TRITIUM.

#### Schmidt C

[LETTER: ULCERO-MUTILATING ACROPATHIES AND DIABETIC PERFORATING PLANTAR DISEASES] Schmidt C, Royer *RJ Nouv Presse Med* 3:528, 2 Mar 74 (Fre)

ACOUSTIC NERVE; ATROPHY; BONE DISEASES (familial & genetic); DEAFNESS (familial & genetic); DIABETIC ANGIOPATHIES (drug therapy, complications); ERGOTAMINE (therapeutic use); FOOT DISEASES (familial & genetic); ULCER (familial & genetic).

#### Schmidt G

EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS. Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)

DIABETES MELLITUS (enzymology, familial & genetic, veterinary, pathology); DISEASE MODELS, ANIMAL; HAMSTERS; HISTOCYTOCHEMISTRY; HYDROXYBUTYRATE DEHYDROGENASE (analysis); LIVER (enzymology, pathology); MICROSCOPY; MICROSCOPY, ELECTRON; MITOCHONDRIA, LIVER (enzymology, metabolism); OXYGEN CONSUMPTION; RODENT DISEASES (pathology).

#### Schmidt H

[EFFECT OF POLYPEPTIDE HORMONES ON THE LOWER ESOPHAGEAL SPHINCTER IN ACHALASIA] Siewert R, Fruh E, Waldeck F, Schmidt H *Z Gastroenterol* 12:117-20, Mar 74 (Ger)

#### Schmidt I

OCULAR MANIFESTATIONS OF SYSTEMIC DISEASES. Schmidt I *Am J Optom Physiol Opt* 51:228-39, Mar 74 (Eng) [88]

ABNORMALITIES (complications); ANEMIA, PERNICIOUS (complications); ANEMIA, SICKLE CELL (complications); BACTERIAL INFECTIONS (complications); COCCIDIOIDOMYCOSIS (complications); CYTOMEGALIC INCLUSION DISEASE (complications); DIABETES MELLITUS (complications); DIABETIC RETINOPATHY (complications); EYE DISEASES (etiology); EYE MANIFESTATIONS; GLAUCOMA (complications); HEMOCHROMATOSIS (complications); HISTOPLASMOSIS (complications); HOMOCYSTEINURIA (complications); HYPERLIPIDEMIA (complications); HYPERTENSION (complications); HYPERTHYROIDISM (complications); KIDNEY DISEASES (complications); MEASLES (complications); METABOLIC DISEASES (complications); MUCOPOLYSACCHARIDOSIS (complications); MYASTHENIA GRAVIS (complications); NUTRITION DISORDERS (complications); PSEUDOXANTHOMA ELASTICUM (complications); SARCOIDOSIS; SKIN APPENDAGE DISEASES (complications); SYPHILIS (complications); TOXOPLASMOSIS, OCULAR.

#### Schmitz J

INFLUENCE OF FLOW RATE ON THE KINETICS OF THE INTESTINAL ABSORPTION OF GLUCOSE AND LYSINE IN CHILDREN. Rey F, Drillet F, Schmitz J, Rey J *Gastroenterology* 66:79-85, Jan 74 (Eng)

#### Schmitz-Moormann P

THE EFFECT OF ETHIONINE ON THE ENERGY PRODUCING METABOLISM IN THE RAT PANCREAS. I. THE INFLUENCE ON THE ACTIVITIES OF KEY ENZYMES OF VARIOUS METABOLIC PATHWAYS. Goebell H, Schmitz-Moormann P *Horm Metab Res* 5:435-9, Nov 73 (Eng)

#### Schneider JA

LETTER: REYES SYNDROME AND ITS TREATMENT. Mendoza SA, Schneider JA *Pediatrics* 53:769, May 74 (Eng)

#### Schneider V

EFFECTS OF ALTERNATIONS OF PLASMA FREE FATTY ACID LEVELS ON PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Schneider V, Karam JH, Noacco C *J Clin Invest* 53:1284-9, May 74 (Eng)

ADRENERGIC MODULATION OF PANCREATIC GLUCAGON SECRETION IN MAN. Gerich JE, Langlois M, Noacco C, Schneider V, Forsham PH *J Clin Invest* 53:1441-6, May 74 (Eng)

#### Schochet SS Jr

HYPOKALEMIC PERIODIC PARALYSIS. LOW ACTIVITY OF SARCOPLASMIC RETICULUM AND MUSCLE RIBOSOMES DURING AN INDUCED ATTACK. Ionescu V, Schochet SS Jr, Powers JM, Koob K, Conway TW *J Neurol Sci* 21:419-29, Apr 74 (Eng)

#### Schoffling K

[OBESITY IN PUBERTY AND ADULT AGE] Schoffling K *Z Allgemeinmed* 50:159-67, 10 Feb 74 (Ger)

ADOLESCENCE; ADULT; AGE FACTORS; DIET THERAPY; FASTING; OBESITY (therapy); OBESITY IN DIABETES (therapy); PUBERTY.

#### Schrott HG

THE INTERACTION OF FAMILIAL AND SECONDARY CAUSES OF HYPERTRIGLYCERIDEMIA: ROLE IN PANCREATITIS. Brunzell JD, Schrott HG *Trans Assoc Am Physicians* 86:245-54, 1973 (Eng)

#### Schrub JC

[URINARY INFECTION IN DIABETES] Schrub JC, Courtois H, Prodhomme H *Cah Med* 14:923-7, 30 Oct 73 (Fre)

ADOLESCENCE; ADULT; AGE FACTORS; AGED; CHILD; DIABETES MELLITUS (complications); MIDDLE AGE; SEX FACTORS; URINARY CATHETERIZATION (adverse effects); URINARY TRACT INFECTIONS (microbiology, etiology).

#### Schulte J

[LONG-TERM (3 YEAR) RESULTS OF THE TREATMENT OF STABLE DIABETES WITH LOW DOSES OF CHLORPROPAMIDE-METFORMIN] Schulte J, Garcia Viveros M, Rull J, Lozano-Castaneda O *Prensa Med Mex* 38:281-2, Jul-Aug 73 (Spa)

ADULT; AGED; BODY WEIGHT (drug effects); CHLORPROPAMIDE (administration & dosage, therapeutic use); DIABETES MELLITUS (drug therapy); DRUG COMBINATIONS; EVALUATION STUDIES; METFORMIN (administration & dosage, therapeutic use); MIDDLE AGE; TIME FACTORS.

#### Schultz LH

I CARBON 14-LABELED PALMITIC ACID METABOLISM IN FASTED, LACTATING GOATS FOLLOWING NICOTINIC ACID ADMINISTRATION. Waterman R, Schultz LH *J Dairy Sci* 56:1569-74, Dec 73 (Eng)

#### Schwamberger K

[METABOLIC DISORDERS IN PATIENTS WITH BILLROTH II RESECTION] Schwamberger K, Reissigl H, Falser N *Zentralbl Chir* 98:1105-10, 3 Aug 73 (Ger)

BODY WEIGHT; CARBOHYDRATES (metabolism); ELECTROLYTES; FOLLOW-UP STUDIES; GASTRECTOMY (adverse effects); LIPIDS (metabolism); METABOLIC DISEASES (etiology); MIDDLE AGE; PROTEINS (metabolism); VITAMINS.

## Diabetes Literature—Author Index

### Scofield AM

#### Scofield AM

INTESTINAL ABSORPTION OF D-GLUCOSE AND D-GALACTOSE IN RATS INFECTED WITH NEMATOSPIROIDES DUBIUS. Scofield AM *Comp Biochem Physiol [A]* 47:219-31, Jan 74 (Eng)

BODY WEIGHT; FOOD; GALACTOSE (metabolism); GLUCOSE (metabolism); INTESTINAL ABSORPTION; INTESTINAL DISEASES, PARASITIC (metabolism); INTESTINAL MUCOSA (metabolism); JEJUNUM (metabolism); KINETICS; MICE; NEMATODE INFECTIONS (metabolism); RATS; TIME FACTORS.

#### Scott JW

FAMILIAL LIPOATROPHIC DIABETES WITH DOMINANT TRANSMISSION. A NEW SYNDROME. Dunnigan MG, Cochrane MA, Kelly A, Scott JW *Q J Med* 43:33-48, Jan 74 (Eng)

#### Scott TW

THE UTILIZATION BY GROWING LAMBS OF A CASEIN-SAFFLOWER OIL SUPPLEMENT TREATED WITH FORMALDEHYDE. Faichney GH, Scott TW, Cook LJ *Aust J Biol Sci* 26:1179-88, Oct 73 (Eng)

#### Scrutton MC

PYRUVATE CARBOXYLASE. SPECIFIC INACTIVATION OF ACETYL COENZYME A-DEPENDENT OXYLACETATE SYNTHESIS DURING MODIFICATION OF THE ENZYME BY TRINITROBENZENE SULFONATE. Scrutton MC, White MD *J Biol Chem* 248:5541-4, 10 Aug 73 (Eng)

ACETYL COENZYME A; BENZENESULFONATES (pharmacodynamics); BINDING SITES; CYANATES (pharmacodynamics); ETHYLMALIMIDE (pharmacodynamics); KINETICS; LIVER (enzymology); LYSINE; NITROBENZENES (pharmacodynamics); OXALOACETATES (biosynthesis); POTASSIUM CHLORIDE (pharmacodynamics); PROTEIN BINDING; PYRIDOXAL PHOSPHATE (pharmacodynamics); PYRUVATE CARBOXYLASE (antagonists & inhibitors); RATS; SACCHAROMYCES CEREVISIAE (enzymology); SALICYLATES (pharmacodynamics); SPECIES SPECIFICITY; SPECTROPHOTOMETRY, ULTRAVIOLET; TIME FACTORS.

#### Searle GI

ALANINE TURNOVER IN THE HUMAN: DETERMINATION OF THE SPECIFIC ACTIVITY. Gulli R, Searle GI *Proc Soc Exp Biol Med* 144:830-3, Dec 73 (Eng)

#### Seerley RW

ROLE OF ADIPOSE TISSUE LIPOLYSIS IN POSTNATAL AMELIORATION OF THERMOGENESIS IN DOMESTIC AND WILD PIGLETS. Horn GW, Foley CW, Seerley RW, Munnell JF *J Anim Sci* 37:1356-61, Dec 73 (Eng)

#### Segal HL

A STABILIZING FACTOR FOR LIVER PHOSPHOFRUCTOKINASE. Dunaway GA Jr, Segal HL *Biochem Biophys Res Commun* 56:689-96, 4 Feb 74 (Eng)

#### Seid-Guseinov AA

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

#### Seifert WE Jr

POLYPEPTIDE SEQUENCING: USE OF DIPEPTIDYLAMINOPEPTIDASE I AND GAS CHROMATOGRAPHY-MASS SPECTROMETRY.

Caprioli RM, Seifert WE Jr, Sutherland DE *Biochem Biophys Res Commun* 55:67-75, 1 Nov 73 (Eng)

#### Seltzer CC

RACIAL DIFFERENCES IN SERUM AND URINE GLUCOSE AFTER GLUCOSE CHALLENGE. Dales LG, Siegel AB, Feldman R, Friedman GD, Seltzer CC, Collen MF *Diabetes* 23:327-32, Apr 74 (Eng)

#### Serniak PS

[CHARACTERISTICS OF CLINICAL COURSE AND SURGICAL TREATMENT OF THE URINARY TRACT DISEASES IN PATIENTS WITH DIABETES MELLITUS] Serniak PS, Makovskii VG, Chumak GO *Sov Med* 36:94-9, Nov 73 (Rus)

ADOLESCENCE; ADULT; AGED; BLADDER NEOPLASMS (complications, surgery); DIABETES MELLITUS (complications); DIABETIC NEPHROPATHIES (complications, surgery); KIDNEY NEOPLASMS (complications, surgery); MIDDLE AGE; PROSTATIC HYPERTROPHY (complications, surgery); UROLOGIC DISEASES (surgery).

#### Serrano-Rios M

[INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)] Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL *Cah Med* 14:913-21, 30 Oct 73 (Fre)

ADOLESCENCE; ADULT; BLOOD SUGAR; DIABETES MELLITUS (diagnosis, physiopathology); GLUCOSE TOLERANCE TEST; INSULIN (secretion); MIDDLE AGE; OBESITY IN DIABETES (physiopathology); PREDIABETIC STATE (physiopathology); RADIOIMMUNOASSAY; TOLBUTAMIDE (diagnostic use).

#### Sevanian A

ADENYLATE CYCLASE ACTIVITY IN IMMATURE RABBIT LUNG. Barrett CT, Sevanian A, Kaplan SA *Pediatr Res* 8:244-7, Apr 74 (Eng)

#### Shand DG

PROCEEDINGS: THE INFLUENCE OF GLUCAGON ON REGIONAL BLOOD FLOW IN THE RHESUS MONKEY. Branch RA, Nies AS, Shand DG *Br J Pharmacol* 49:149P, Sep 73 (Eng)

#### Sharkov BM

[NUCLEIC ACID CONTENT IN THE BRAIN TISSUE OF RATS AFTER THE ADMINISTRATION OF DIFFERENT DOSES OF INSULIN] Sharkov BM, Filippov SP *Biol Nauki* 2:44-6, 1974 (Rus)

BRAIN (drug effects); BRAIN CHEMISTRY; DNA (analysis); DOSE-RESPONSE RELATIONSHIP; DRUG; INSULIN (pharmacodynamics); RATS; RNA (analysis); SPECTROPHOTOMETRY; TIME FACTORS.

#### Sharma RK

REGULATION OF STEROIDOGENESIS BY ADRENOCORTICOTROPIC HORMONE IN ISOLATED ADRENAL CELLS OF RATS. Sharma RK *J Biol Chem* 248:5473-6, 10 Aug 73 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADRENAL GLANDS (drug effects, metabolism); CHOLESTEROL; CHROMATOGRAPHY, THIN LAYER; CORTICOSTERONE (metabolism); CORTICOTROPIN (pharmacodynamics); CYCLOHEXIMIDE (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); HYDROXYSTEROIDS (metabolism); PREGNENOLONE (biosynthesis); RATS; SPECTROMETRY, FLUORESCENCE; TRITIUM.

#### Sharp R

DIAZOXIDE MODIFICATION OF STREPTOZOTOCIN-INDUCED DIABETES IN RATS. Culbert S, Sharp R, Rogers M, Felts P, Burr IM *Diabetes* 23:282-6, Apr 74 (Eng)

#### Sharpe DN

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY IN DIABETES MELLITUS. Simpson JJ, Henley JW, Sharpe DN *Nz Med J* 79:645-8, 13 Feb 74 (Eng)

#### Shaw RA

THE RATIONALE FOR THE USE OF DRUGS IN THE TREATMENT OF DIABETES MELLITUS. Kryston LJ, Shaw RA *Semin Drug Treat* 3:365-75, Spring 74 (Eng)

#### Sheffield LT

MYOCARDIAL INFARCTION AFTER EXERCISE-INDUCED ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH VARIANT ANGINA PECTORIS. Sweet RL, Sheffield LT *Am J Cardiol* 33:813-7, 20 May 74 (Eng)

#### Sherwin RS

A MODEL OF THE KINETICS OF INSULIN IN MAN. Sherwin RS, Kramer KJ, Tobin JD, Insel PA, Liljenquist JE, Berman M, Andres R *J Clin Invest* 53:1481-92, May 74 (Eng)

ADOLESCENCE; ADULT; BLOOD SUGAR (metabolism); GLUCOSE (metabolism); HALF-LIFE; INSULIN (blood); KINETICS; MIDDLE AGE; MODELS, BIOLOGICAL; SWINE.

#### Shimshick EJ

LATERAL PHASE SEPARATION IN MEMBRANES. Shimshick EJ, Kleemann W, Hubbell WL, McConnell HM *J Supramol Struct* 1:285-94, 1973 (Eng)

CELL MEMBRANE (analysis); CHOLESTEROL; CYCLIC N-OXIDES; ESCHERICHIA COLI (cytology, analysis); FREEZING; KINETICS; LECITHINS; MEMBRANES, ARTIFICIAL; MICROSCOPY, ELECTRON; MODELS, BIOLOGICAL; MODELS, STRUCTURAL; MOLECULAR CONFORMATION; PIPERIDINES; SOLUBILITY; SPIN LABELS; TEMPERATURE; THERMODYNAMICS.

#### Shreeve DR

BRITTLE DIABETES. Oleesky S, Shreeve DR, Sutcliffe CH *Q J Med* 43:113-25, Jan 74 (Eng)

#### Shumakov VI

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

#### Siegel AB

RACIAL DIFFERENCES IN SERUM AND URINE GLUCOSE AFTER GLUCOSE CHALLENGE. Dales LG, Siegel AB, Feldman R, Friedman GD, Seltzer CC, Collen MF *Diabetes* 23:327-32, Apr 74 (Eng)

#### Siewert R

[GASTROINTESTINAL HORMONES AND LOWER ESOPHAGEAL SPHINCTER] Siewert R, Waldeck F, Peiper HJ *Chirurg* 45:28-33, Jan 74 (Ger)

CAERULEIN (pharmacodynamics, physiology); CALCITONIN (pharmacodynamics); CARDIOSPASM; CHOLECYSTOKININ (pharmacodynamics, physiology); DOGS; DOSE-RESPONSE RELATIONSHIP, DRUG; ESOPHAGOGASTRIC JUNCTION (physiology); GASTRIN (pharmacodynamics, physiology); GASTROINTESTINAL HORMONES (physiology).

gy); GLUCAGON (pharmacodynamics, physiology); MANOMETRY; MUSCLE TONUS (drug effects); PANCREOZYMIN (pharmacodynamics, physiology); SECRETIN (pharmacodynamics, physiology).

[EFFECT OF POLYPEPTIDE HORMONES ON THE LOWER ESOPHAGEAL SPHINCTER IN ACHALASIA] Siewert R, Fruh E, Waldeck F, Schmidt H Z *Gastroenterol* 12:117-20, Mar 74 (Ger)

CARDIOSPASM (physiopathology, drug therapy); ESOPHAGOGASTRIC JUNCTION (physiopathology); GLUCAGON (therapeutic use); MANOMETRY; MIDDLE AGE; PENTAGASTRIN (therapeutic use).

#### Silbert DF

STUDIES ON THE URIDINE DIPHOSPHATE-GALACTOSE: LIPOPOLYSACCHARIDE GALACTOSYLTRANSFERASE REACTION USING A FATTY ACID MUTANT OF ESCHERICHIA COLI. Beacham IR, Silbert DF *J Biol Chem* 248:5310-8, 10 Aug 73 (Eng)

#### Silcox DC

DISEASES ASSOCIATED WITH CALCIUM PYROPHOSPHATE DIHYDRATE CRYSTAL DEPOSITION. McCarty DJ, Silcox DC, Coe F, Jacobelli S, Reiss E, Genant H, Ellman M *Am J Med* 56:704-14, May 74 (Eng)

#### Siler TM

ACUTE SUPPRESSION OF INSULIN AND GLUCOSE LEVELS BY SYNTHETIC SOMATOSTATIN IN NORMAL HUMAN SUBJECTS. DeVane GW, Siler TM, Yen SS *J Clin Endocrinol Metab* 38:913-5, May 74 (Eng)

#### Simaren JO

EFFECTS OF PREGNANCY ON TRYPAANOSOMA CONGOLENSIS INFECTION IN RATS: SERUM BIOCHEMISTRY AND CELLULAR DISORDERS. Simaren JO, Awopetu JI *Ann Parasitol Hum Comp* 48:433-46, Mar-Jun 73 (Eng)

BLOOD PROTEINS (analysis); BLOOD UREA NITROGEN; CALCIUM (blood); CHOLESTEROL (blood); ERYTHROCYTE COUNT; HYPOGLYCEMIA; LEUKOCYTE COUNT; POTASSIUM (blood); PREGNANCY; PREGNANCY COMPLICATIONS, INFECTIONS (blood); RATS; SODIUM (blood); STATISTICS; TRYPAANOSOMIASIS (blood).

#### Simionescu S

[THE ACTIVATING ROLE OF ACTH IN THE MECHANISM OF EQUILIBRATION OF FUNCTIONS OF THE BODY] Simionescu S *Rev Roum Physiol* 10:467-9, 1973 (Fre)

CORTICOTROPIN (pharmacodynamics); ENDOCRINE GLANDS (drug effects); ENZYMES (metabolism); HOMEOSTASIS (drug effects); HORMONES (metabolism); IONS (metabolism); METABOLISM (drug effects); NERVOUS SYSTEM (drug effects); OVARY (drug effects).

#### Simmonds HA

A COMPARATIVE STUDY OF PURINE METABOLISM BY HUMAN AND PIG ERYTHROCYTES IN VITRO. Dean BM, Simmonds HA, Cadenhead A *Biochem Pharmacol* 22:3189-98, 15 Dec 73 (Eng)

#### Simmons JR

THE PENTOSE SHUNT IN WILD-TYPE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT DROSOPHILA MELANOGASTER. Geer BW, Bowman JT, Simmons JR *J Exp Zool* 187:77-86, Jan 74 (Eng)

#### Simpson LJ

LACTIC ACIDOSIS ASSOCIATED WITH PHENFORMIN THERAPY IN DIABETES MEL-

LITUS. Simpson LJ, Henley JW, Sharpe DN *Nz Med J* 79:645-8, 13 Feb 74 (Eng)

ACIDOSIS (therapy, chemically induced); AGED; DIABETES MELLITUS (drug therapy); DIABETIC NEPHROPATHIES (complications); KIDNEY DISEASES (complications); LACTATES (blood); MIDDLE AGE; PHENFORMIN (therapeutic use, adverse effects); UREA (blood).

#### Singer F

[LARGE INTRAVENOUS DOSES OF CORTISONE IN RENAL TRANSPLANTATION] Stummvoll HK, Pinggera WF, Oppolzer R, Singer F, Wolf A *Wien Med Wochenschr* 124:232-5, Apr 74 (Ger)

#### Skrabalo Z

THE GLYCOGEN IN SOME PARTS OF THE DIABETIC SKIN. Posinovec J, Skrabalo Z *Experientia* 30:305-6, 15 Mar 74 (Eng)

#### Slack J

A CLINICAL SYNDROME CHARACTERISTIC OF PRIMARY TYPE IV-V HYPERLIPOPROTEINEMIA. Borrie P, Slack J *Br J Dermatol* 90:245-53, Mar 74 (Eng)

#### Sluse FE

KINETICS AND MECHANISM OF THE EXCHANGE REACTIONS CATALYSED BY THE OXOGLUTARATE TRANSLOCATOR OF RAT-HEART MITOCHONDRIA. Sluse FE, Liebecq C *Biochimie* 55:747-54, 1973 (Eng)

BINDING, COMPETITIVE; BINDING SITES; BIOLOGICAL TRANSPORT, ACTIVE; CARRIER PROTEINS; KETOGLUTARIC ACID (metabolism); KINETICS; MALATES (metabolism); MALONATES (metabolism); MEMBRANES (metabolism); MITOCHONDRIA, MUSCLE (metabolism); RATS; SUCCINATES (metabolism).

#### Smando R

COOPERATIVE INTERACTIONS IN THE BINDING OF ALLOSTERIC EFFECTORS TO PHOSPHOENOLPYRUVATE CARBOXYLASE. Smando R, Waygood EB, Sanwal BD *J Biol Chem* 249:182-90, 10 Jan 74 (Eng)

ACETYL COENZYME A; ALLOSTERIC REGULATION; AMINO ACID SEQUENCE; ASPARTIC ACID; BINDING SITES; CARBON RADIOISOTOPES; DANSYL COMPOUNDS; ELECTROPHORESIS, POLYACRYLAMIDE GEL; GEL FILTRATION; GUANIDINES; GUANOSINE TRIPHOSPHATE; KINETICS; MAGNESIUM (pharmacodynamics); MANGANESE (pharmacodynamics); MOLECULAR WEIGHT; PEPTIDE FRAGMENTS (analysis); PHOSPHATES; PHOSPHOENOLPYRUVATE; PROTEIN BINDING; SALMONELLA TYPHIMURIUM (enzymology); SODIUM DODECYL SULFATE; SPECTROPHOTOMETRY, ULTRAVIOLET; SULFUR RADIOISOTOPES; ULTRACENTRIFUGATION.

#### Smith RM

MODE OF ACTION OF N6-O2-DIBUTYRYL CYCLIC 3,5 AMP ON FAT CELL METABOLISM. Jarett L, Smith RM *Diabetes* 23:29-40, Jan 74 (Eng)

#### Smith SW

FLUCTUATIONS OF PLASMA GLUCOSE AND INSULIN IN CONSCIOUS DOGS RECEIVING GLUCOSE INFUSIONS. Oookhtens M, Marsh DJ, Smith SW, Bergman RN, Yates FE *Am J Physiol* 226:910-9, Apr 74 (Eng)

#### Snoddy HD

ELEVATION OF HEPATIC PHENYLALANINE: PYRUVATE AMINOTRANSFERASE BY DIBUTYRYL CYCLIC AMP IN RATS. Fuller RW, Baker JC, Snoddy HD *Biochem Med* 9:301-8, Mar 74 (Eng)

#### Sochanska KR

THE PRESENCE OF A FACTOR TOXIC TO PANCREATIC BETA CELLS IN SOME COLLAGENASE PREPARATIONS. Moskalowski S, Sochanska KR, Wiwatowski T *Bull Acad Pol Sci [Biol]* 22:127-30, 1974 (Eng)

#### Sognen E

A COMPARATIVE STUDY ON THE EFFECT OF FLUORIDE, LAURYL SULPHATE AND CHLORHEXIDINE ON GLUCOSE UTILIZATION IN RAT INTESTINAL MUCOSAL CELLS. Olsen I, Sognen E *Acta Pharmacol Toxicol (Kbh)* 33:348-52, 1973 (Eng)

#### Sokolov IaA

[THE CONCENTRATION OF INSULIN, GROWTH HORMONE AND SUGAR IN THE BLOOD OF TWO PATIENTS WITH DIABETES AFTER PANCREATIC TRANSPLANTATION] Fedotov VP, Shumakov VI, Sokolov IaA, Seid-Guseinov AA, Morozova LG *Probl Endokrinol (Mosk)* 19:45-8, Jul-Aug 73 (Rus)

[GROWTH HORMONE AND INSULIN CONCENTRATIONS IN HUMAN PLASMA FLOWING FROM DIFFERENT ORGANS] Fedotov VP, Gebel' G Ia, Sokolov IaA, Chestukhin VV *Probl Endokrinol (Mosk)* 19:6-9, Jul-Aug 73 (Rus)

#### Soldati D

[RECOVERY FROM BOVINE ACETONEMIA THROUGH INSULIN THERAPY] Soldati D *Schweiz Arch Tierheilkd* 116:155-6, Mar 74 (Ita)

ACETONE (blood); ACIDOSIS (drug therapy, veterinary); CATTLE; CATTLE DISEASES (drug therapy); INSULIN (therapeutic use).

#### Sonksen PH

LEVELS OF PLASMA INSULIN AND GLUCOSE AFTER OPEN-HEART SURGERY. Hill DG, Sonksen PH, Braimbridge MV *J Thorac Cardiovasc Surg* 67:712-7, May 74 (Eng)

PRESUMED INSULINOMA SECRETING A HIGH-MOLECULAR-WEIGHT INSULIN ANALOGUE. Nunes-Correa J, Lowy C, Sonksen PH *Lancet* 1:837-41, 4 May 74 (Eng)

CLINICAL APPLICATIONS OF GROWTH HORMONE ASSAYS. Sonksen PH *J R Coll Physicians Lond* 8:220-36, Apr 74 (Eng)

ACROMEGALY (diagnosis, surgery); ADOLESCENCE; CIRCADIAN RHYTHM; CUSHINGS SYNDROME (metabolism); DEPRESSION, CHEMICAL; DIABETES MELLITUS (metabolism); GLUCOSE TOLERANCE TEST; GROWTH DISORDERS (diagnosis); HYPOGONADISM (metabolism); HYPOPHYSECTOMY; HYPOPHYSECTOMY; HYPOPHYSECTOMY (diagnosis); HYPOTHALAMUS (drug effects); INSULIN (diagnostic use); LACTATION DISORDERS (metabolism); MIDDLE AGE; PITUITARY GLAND (secretion); PREGNANCY; RADIOIMMUNOASSAY; SLEEP; SOMATOTROPIN (secretion, blood); STIMULATION, CHEMICAL; THYROID DISEASES (metabolism).

#### SooHoo J

EVALUATION OF CANCER RISK FACTORS IN A RETIREMENT COMMUNITY. Henderson BE, Bogdanoff E, Gerkins VR, SooHoo J, Arthur M *Cancer Res* 34:1045-8, May 74 (Eng)

#### Soranzo MR

BIOCHEMICAL STUDIES ON THE EFFECT OF PAPAVERINE ON POLYMORPHONUCLEAR LEUCOCYTES. Patriarca P, Cramer R, Dri P, Soranzo MR, Rossi F *Biochem Pharmacol* 22:3257-66, 15 Dec 73 (Eng)

#### Sorgedraeger N

HEPATIC PHOSPHORYLASE DEFICIENCY. ITS DIFFERENTIATION FROM OTHER

Sosula L

HEPATIC GLYCOGENOSES. Fernandes J, Koster JF, Grose WF, Sorgedraeger N *Arch Dis Child* 49:186-91, Mar 74 (Eng)

Sosula L

CAPILLARY RADIUS AND WALL THICKNESS IN NORMAL AND DIABETIC RAT RETINAE. Sosula L *Microvasc Res* 7:274-6, Mar 74 (Eng)  
CAPILLARIES (anatomy & histology, pathology); DIABETES MELLITUS (chemically induced); DIABETIC RETINOPATHY (pathology); DILATATION; RATS; RETINAL VESSELS (anatomy & histology, pathology); STREPTOZOTOCIN.

Sottituri V

THE ROLE OF THE CONVOLUTED SEGMENT OF THE PROXIMAL TUBULE IN THE DISPOSAL OF 131-I-INSULIN IN THE RAT KIDNEY. Sottituri V *Am J Anat* 140:181-90, Jun 74 (Eng)

AUTORADIOGRAPHY; EPITHELIUM (metabolism); INSULIN (blood, urine, metabolism); IODINE RADIOISOTOPES; KIDNEY (radiography); KIDNEY TUBULES, PROXIMAL (cytology, metabolism); RATS.

Soufflet E

FACTORS AFFECTING THE SECRETION OF INSULIN AND GLUCAGON BY THE RAT FETUS. Girard JR, Kervran A, Soufflet E, Assan R *Diabetes* 23:310-7, Apr 74 (Eng)

Spellacy WN

CHANGE IN GLUCOSE AND INSULIN AFTER SIX MONTHS TREATMENT WITH THE ORAL CONTRACEPTIVE DEMULEN. Spellacy WN, Bui WC, Birk SA, McCreary SA *Am J Obstet Gynecol* 119:266-7, 15 May 74 (Eng)

ADULT; BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism); CONTRACEPTIVES, ORAL (pharmacodynamics); DRUG COMBINATIONS; ETHINYL ESTRADIOL (pharmacodynamics); ETHYNODIOL DIACETATE (pharmacodynamics); INSULIN (blood); TIME FACTORS.

METABOLIC EFFECTS OF ORAL CONTRACEPTIVES. Spellacy WN *Clin Obstet Gynecol* 17:53-64, Mar 74 (Eng) [22]

AGE FACTORS; AMINO ACIDS (metabolism); BLOOD COAGULATION (drug effects); BLOOD PRESSURE (drug effects); BLOOD PROTEINS (metabolism); BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism); CHOLESTEROL (metabolism); CONTRACEPTIVES, ORAL (pharmacodynamics); DIABETES MELLITUS (complications); DOSE-RESPONSE RELATIONSHIP, DRUG; DRUG SYNERGISM; FATTY ACIDS, NONESTERIFIED (metabolism); INSULIN (blood); LIPIDS (metabolism); LIVER (drug effects); OBESITY (complications); PARITY; PHOSPHOLIPIDS (metabolism); PROBABILITY; PROTEINS (metabolism); TRIGLYCERIDES (metabolism).

Spellman CM

A STUDY OF SOME ENZYMES AND ISOENZYMES OF CARBOHYDRATE METABOLISM IN HUMAN ENDOMETRIUM DURING THE MENSTRUAL CYCLE. Spellman CM, Fottrell PF, Baynes S, O'Dwyer EM, Clinch JD *Clin Chim Acta* 48:259-68, 30 Oct 73 (Eng)

ASPARTATE AMINOTRANSFERASE (metabolism); ELECTROPHORESIS, STARCH GEL; ENDOMETRIUM (enzymology); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); HEXOKINASE (metabolism); ISOCITRATE DEHYDROGENASE (metabolism); ISOENZYMES (metabolism); LACTATE DEHYDROGENASE (metabolism); LACTATE DEHYDROGENASE ISOENZYMES (metabolism); MALATE DEHYDROGENASE (metabolism); MENSTRUATION; PYRUVATE KINASE (metabolism); SPECTROPHOTOMETRY, ULTRAVIOLET; TIME FACTORS.

Sperling MA

DEVELOPMENT AND APPLICATION OF A RADIOIMMUNOASSAY FOR PLASMA GLUCAGON. Sperling MA, DeLamater PV, Kazenelson M, Fiser RH, Fisher DA *Clin Chem* 20:566-70, May 74 (Eng)

ADOLESCENCE; ANTIBODY SPECIFICITY; ANTIGENS; GLUCAGON (blood); IMMUNE SERUMS; INFANT, NEWBORN; METHODS; RADIOIMMUNOASSAY.

Sperling R

SIMULTANEOUS REDUCTION AND MERCURATION OF DISULFIDE BOND A6-A11 OF INSULIN BY MONOVALENT MERCURY. Sperling R, Steinberg IZ *Biochemistry* 13:2007-13, 7 May 74 (Eng)

AMINO ACID SEQUENCE; AMINO ACIDS (analysis); CARBON RADIOISOTOPES; CATTLE; CHEMISTRY; CHROMATOGRAPHY, PAPER; CIRCULAR DICHROISM; DIALYSIS; DISULFIDES; ELECTROPHORESIS, DISC; ELECTROPHORESIS, PAPER; HYDROGEN-ION CONCENTRATION; INSULIN (analysis); IODINE RADIOISOTOPES; IODOACETATES; MERCURY; METALLOPROTEINS; OXIDATION-REDUCTION; PEPsin; PEPTIDE FRAGMENTS (analysis); RADIOIMMUNOASSAY; SPECTROPHOTOMETRY; TRYPSIN; ULTRACENTRIFUGATION.

Spesivtseva VG

[INFLAMMATORY DISEASES OF THE URINARY ORGANS IN PATIENTS WITH DIABETES MELLITUS] Spesivtseva VG, Mamaeva GG, Baranchikova NA, Ialysheva NI *Sov Med* 36:103-7, Oct 73 (Rus)

ADULT; AGED; DIABETES MELLITUS (complications); DIABETIC NEPHROPATHIES (diagnosis); KIDNEY CALCULI (diagnosis); KIDNEY DISEASES (etiology, diagnosis); KIMMELSTIEL-WILSON SYNDROME (diagnosis); MIDDLE AGE; PROSTATIC HYPERTROPHY (diagnosis); PYELONEPHRITIS (diagnosis).

Spitzer JJ

EFFECT OF LACTATE INFUSION ON CANINE MYOCARDIAL FREE FATTY ACID METABOLISM IN VIVO. Spitzer JJ *Am J Physiol* 226:213-7, Jan 74 (Eng)

CARBON DIOXIDE (metabolism); DEPRESSION, CHEMICAL; DOGS; FATTY ACIDS, NONESTERIFIED (metabolism); GLYCINE (metabolism); HEART (drug effects); HEMATOCRIT; HEMODYNAMICS (drug effects); HYDROGEN-ION CONCENTRATION; LACTATES (metabolism, pharmacodynamics); MYOCARDIUM (metabolism); OXIDATION-REDUCTION; RESPIRATION (drug effects).

Srere PA

THE CITRATE ENZYMES: THEIR STRUCTURES, MECHANISMS, AND BIOLOGICAL FUNCTIONS. Srere PA *Curr Top Cell Regul* 5:229-83, 1972 (Eng) [253]

ADENOSINE TRIPHOSPHATE; ATP CITRATE LYASE (analysis, metabolism); BINDING SITES; CATIONS, DIVALENT; CHEMISTRY; CITRATE SYNTHASE (analysis, metabolism); CITRATES (metabolism); CRYSTALLIZATION; KETOACID-LYASES (analysis, metabolism); KINETICS; MAGNESIUM; MODELS, STRUCTURAL; MOLECULAR CONFORMATION; MOLECULAR WEIGHT; OXALOACETATES; PEPTIDE FRAGMENTS (analysis); PROTEIN BINDING; PROTEIN CONFORMATION.

Sridhar CB

SYNDROME OF HYPERNATREMIA, HYPODIP-SIA AND PARTIAL DIABETES INSIPIDUS: A NEW INTERPRETATION. Sridhar CB, Calvert GD, Ibbertson HK *J Clin Endocrinol Metab* 38:890-901, May 74 (Eng)

ADOLESCENCE; CHLORPROPAMIDE (therapeutic use); DIABETES INSIPIDUS (drug

therapy, complications); DRINKING; HYDROCHLOROTHIAZIDE (therapeutic use); HYPERNATREMIA (drug therapy, complications); NICOTINE (diagnostic use); POTASSIUM (blood); SODIUM (blood); SODIUM CHLORIDE (diagnostic use); SPIRONOLACTONE (therapeutic use); SYNDROME; THIRST; URINATION; VASOPRESSIN (diagnostic use); WATER DEPRIVATION.

Stahl M

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppingen K *J Pediatr* 84:821-4, Jun 74 (Eng)

ADOLESCENCE; ANTIGENS (analysis); ARGinine (diagnostic use); BLOOD SUGAR (analysis); CHILD; CHILD, PRESCHOOL; CYSTIC FIBROSIS (immunology, metabolism, physiopathology); GLUCAGON (blood, secretion); INSULIN (blood, secretion); PANCREAS (immunology, pathology, physiopathology).

Staib W

[MECHANISM OF ACTION OF GLUCOCORTICOIDS ON THE LYMPHATIC SYSTEM] Bojar H, Staib W *Hippokrat* 44:318-21, Oct 73 (Ger) [18]

Stanton HC

POTENTIAL MECHANISMS RESPONSIBLE FOR PRENATAL AND PERINATAL MORTALITY OR LOW VIABILITY OF SWINE. Stanton HC, Carroll JK *J Anim Sci* 38:1037-44, May 74 (Eng) [53]

ANIMALS, NEWBORN; ANOXIA (veterinary); BLOOD; BODY TEMPERATURE REGULATION; CARBON DIOXIDE (blood); DELIVERY; FETAL DEATH (etiology, veterinary); FETUS (growth & development); HOMEOSTASIS; HYDROGEN-ION CONCENTRATION; HYPOGLYCEMIA (veterinary); LACTATES (blood); PANCREAS (physiology); PITUITARY HORMONE RELEASING HORMONES (blood); PREGNANCY; STRESS (veterinary); SWINE (physiology); SWINE DISEASES (etiology, physiopathology, mortality); UMBILICAL CORD; UTERUS (blood supply).

Stavratjev M

[INFRARED THERMOVISION AND JUVENILE DIABETES] Stavratjev M, Stavratjevo A, Osickova L *Cesk Pediatr* 29:145-7, Mar 74 (Cze)

ADOLESCENCE; CHILD; DIABETES MELLITUS, JUVENILE (diagnosis); ELECTROMAGNETICS; INFRARED RAYS; THERMOGRAPHY.

Stavratjevo A

[INFRARED THERMOVISION AND JUVENILE DIABETES] Stavratjev M, Stavratjevo A, Osickova L *Cesk Pediatr* 29:145-7, Mar 74 (Cze)

Steinberg IZ

SIMULTANEOUS REDUCTION AND MERCURATION OF DISULFIDE BOND A6-A11 OF INSULIN BY MONOVALENT MERCURY. Sperling R, Steinberg IZ *Biochemistry* 13:2007-13, 7 May 74 (Eng)

Steinke J

HYPOGLYCEMIA ASSOCIATED WITH NEOPLASIA. Marks LJ, Steinke J, Podolsky S, Eg Dahl RH *Ann NY Acad Sci* 230:147-60, 1974 (Eng)

Stenstrom A

EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG,

## Diabetes Literature—Author Index

Suzuki Y

- Hansson LI, Menander-Sellman K, Stenstrom A  
*Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)
- Stepanova ES**  
[TOXICITY AND PHARMACOLOGICAL PROPERTIES OF ANTINEOPLASTIC ANTIBIOTIC 1719 FROM THE CLASS OF DIAZO COMPOUNDS] Gol'dberg LE, Stepanova ES, Filippov'sants ST *Antibiotiki* 18:332-8, Apr 73 (Rus)
- Sterky G**  
LACTOSE MALABSORPTION IN ETHIOPIAN CHILDREN. Habte D, Sterky G, Hjalmarsson B  
*Acta Paediatr Scand* 62:649-54, Nov 73 (Eng)
- Stevens RH**  
PROTEIN KINASE TRANSLOCATION AS AN EARLY EVENT IN THE HORMONAL CONTROL OF UTERINE CONTRACTION. Korenman SG, Bhalla RC, Stevens RH *Science* 183:430-2, 1 Feb 74 (Eng)
- Stjernholm MR**  
CURRENT CONCEPTS IN DIAGNOSIS OF INSULINOMA. Alsever RN, Stjernholm MR *Rocky Mt Med J* 71:209-12, Apr 74 (Eng)
- Stockbrugger R**  
THE USE OF GLUCAGON DURING UPPER GASTROINTESTINAL ENDOSCOPY. Hradsky M, Stockbrugger R, Dotevall G, Ostberg H *Gastrointest Endosc* 20:162, May 74 (Eng)
- Stockdale FE**  
SERUM AND INSULIN INITIATION OF DNA SYNTHESIS IN MAMMARY GLAND EPITHELIUM IN VITRO. Hsueh HW, Stockdale FE *J Cell Physiol* 83:297-308, Apr 74 (Eng)
- Stockton MD**  
EFFECTS OF GENOTYPE, SUGAR, AND CONCENTRATION ON SUGAR PREFERENCE OF LABORATORY MICE (MUS MUSCULUS). Stockton MD, Whitney G *J Comp Physiol Psychol* 86:62-8, Jan 74 (Eng)
- ANIMALS, LABORATORY; DRINKING; GENETICS, BEHAVIORAL; GENOTYPE; GLUCOSE; MICE (physiology); MICE, INBRED C57BL; OSMOLAR CONCENTRATION; SPECIES SPECIFICITY; SUCROSE; TASTE.
- Stokes GS**  
EFFECTS OF BETA ADRENERGIC BLOCKING AGENTS ON PLASMA RENIN ACTIVITY IN THE CONSCIOUS RABBIT. Weber MA, Thornell JR, Stokes GS *J Pharmacol Exp Ther* 188:234-40, Jan 74 (Eng)
- Stokes IA**  
FORCE DISTRIBUTIONS UNDER THE FOOT--A DYNAMIC MEASURING SYSTEM. Stokes IA, Stott JR, Hutton WC *Biomed Eng* 9:140-3, Apr 74 (Eng)
- BIOMECHANICS; BIOPHYSICS; DIABETIC NEUROPATHIES (physiopathology); FOOT; FOOT DISEASES (etiology); HALLUX VALGUS (physiopathology, surgery); LOCOMOTION; PRESSURE; TRANSDUCERS.
- Stolp W**  
[CONTROL OF RISK PREGNANCIES. IN 113M SEQUENTIAL SCINTIGRAPHY FOR THE DETERMINATION OF UTERO-PLACENTAL BLOOD CIRCULATION DISORDERS. 1ST CLINICAL EXPERIENCES USING A MULTIPARAMETER PROCEDURE] Stolp W, Huenemann B, Mund-Hoym S, Hansmann M *Fortschr Med* 92:427-32, 11 Apr 74 (Ger)
- AMNIOSCOPY; GESTATIONAL AGE; INDIUM (diagnostic use); PLACENTA (blood supply); PLACENTA DISORDERS (diagnosis); PLACENTAL LACTOGEN (blood); PREGNANCY; PREGNANCY IN DIABETES (diagnosis); PREGNANCY TOXEMIAS (diagnosis); RADIOIMMUNOASSAY; RADIOISOTOPE SCANNING; RADIOISOTOPES (diagnostic use); ULTRASONICS (diagnostic use); UTERUS (blood supply).
- Stott JR**  
FORCE DISTRIBUTIONS UNDER THE FOOT--A DYNAMIC MEASURING SYSTEM. Stokes IA, Stott JR, Hutton WC *Biomed Eng* 9:140-3, Apr 74 (Eng)
- Stotter G**  
[STUDIES ON THE EFFECT OF SULFAMETHOXYPIRAZINE (LONGUM) ON CARBOHYDRATE METABOLISM IN DIABETIC PATIENTS] Stotter G, Riederle K *Fortschr Med* 92:442-4, 11 Apr 74 (Ger)
- ANTIDIABETICS (therapeutic use); BLOOD SUGAR (metabolism); CARBOHYDRATES (metabolism); DIABETES MELLITUS (blood, drug therapy, metabolism); ENERGY METABOLISM (drug effects); SULFONAMIDES (pharmacodynamics); TIME FACTORS.
- Stowers JM**  
THE EFFECT OF PREGNANCY ON INTRA-UTERINE GLUCOSE TOLERANCE. Fisher PM, Hamilton PM, Sutherland HW, Stowers JM *J Obstet Gynaecol Br Commonw* 81:285-90, Apr 74 (Eng)
- Strassburg M**  
[DISEASES OF ORAL MUCOSA. ORAL MANIFESTATIONS OF DIABETES MELLITUS] Strassburg M, Knolle G *Quintessenz* 24:89-93, Dec 73 (Ger)
- DIABETES MELLITUS; ORAL MANIFESTATIONS.
- Strauss L**  
GANGRENE OF THE HAND IN A NEWBORN CHILD. Hoffman S, Valderrama E, Gribetz I, Strauss L *Hand* 6:70-3, Feb 74 (Eng)
- Stroev EA**  
[THE RELATIONSHIP BETWEEN THYROID HORMONES AND THE INDUCTION OF TRYPTOPHAN OXYGENASE BY INSULIN] Stroev EA, Iliukhin VI *Probl Endokrinol (Mosk)* 19:82-4, Jul-Aug 73 (Rus)
- DACTINOMYCIN (pharmacodynamics); DRUG ANTAGONISM; DRUG SYNERGISM; ENZYME INDUCTION (drug effects); ETHIONINE (pharmacodynamics); INSULIN (pharmacodynamics); LIVER (enzymology); RATS; THYROXINE (pharmacodynamics); TRYPTOPHAN OXYGENASE (biosynthesis).
- Stromme SB**  
SERUM ELECTROLYTE, FLUID AND ACID-BASE BALANCE AFTER PROLONGED HEAVY EXERCISE AT LOW ENVIRONMENTAL TEMPERATURE. Refsum HE, Tveit B, Meen HD, Stromme SB *Scand J Clin Lab Invest* 32:117-22, Oct 73 (Eng)
- Stuhlman RA**  
EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS. Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)
- Stummvoll HK**  
[LARGE INTRAVENOUS DOSES OF CORTISONE IN RENAL TRANSPLANTATION] Stummvoll HK, Pinggera WF, Oppolzer R, Singer F, Wolf A *Wien Med Wochenschr* 124:232-5, Apr 74 (Ger)
- ADOLESCENCE; ADULT; AZATHIOPRINE (administration & dosage); CHILD; DIABETES MELLITUS (etiology); GRAFT VS HOST REACTION (drug effects); HEMORRHAGE, GASTROINTESTINAL (etiology); INJECTIONS, INTRAVENOUS; KIDNEY (transplantation); METHYLPREDNISOLONE (pharmacodynamics, administration & dosage); MIDDLE AGE; POSTOPERATIVE COMPLICATIONS; PREDNISOLONE (pharmacodynamics, administration & dosage); THROMBOEMBOLISM (etiology); TRANSPLANTATION, HOMOLOGOUS; URINARY TRACT INFECTIONS (etiology).
- Suda M**  
STUDIES ON THE CIRCADIAN RHYTHM OF PHOSPHOENOLPYRUVATE CARBOXYKINASE ACTIVITY IN RATS. II. EFFECT OF THE AUTONOMIC NERVOUS SYSTEM ON THE RHYTHM IN LIVER. Nagai K, Suda M, Nakagawa H *J Biochem (Tokyo)* 74:863-71, Nov 73 (Eng)
- Suetsugu N**  
KINETIC STUDIES ON GLUCOAMYLASE. VI. INHIBITION OF SUBSTRATE ANALOGUES. Hiromi K, Kawai M, Suetsugu N, Nitta Y, Hosotani T *J Biochem (Tokyo)* 74:935-43, Nov 73 (Eng)
- Sugihara I**  
LIPIDS BIOSYNTHESIS FROM ACETATE IN NORMAL RAT EPIDERMIS. Okido M, Sugihara I, Ono M *Jap J Dermatol [B]* 82:80-3, Sep 72 (Eng)
- Sundblad L**  
LETTER: GLUCOSE INTOLERANCE AND PERIPHERAL GLUCOSE UPTAKE IN ACUTELY INTOXICATED ALCOHOLICS. Eriksson CE, Hed R, Lindblad LE, Nygren A, Sundblad L *Lancet* 1:811-2, 27 Apr 74 (Eng)
- Surjantoro**  
LACTOSE TOLERANCE TEST ON INDONESIAN NEWBORN INFANTS. Surjantoro A, Sadjimin T, Ismangun *Paediatr Indones* 13:11-6, Jan 73 (Eng)
- Surjono A**  
LACTOSE TOLERANCE TEST ON INDONESIAN NEWBORN INFANTS. Surjono A, Surjantoro A, Sadjimin T, Ismangun *Paediatr Indones* 13:11-6, Jan 73 (Eng)
- GALACTOSE (metabolism); GLUCOSE TOLERANCE TEST; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (occurrence); LACTOSE INTOLERANCE (occurrence); LACTOSE TOLERANCE TEST; SUCROSE (metabolism).
- Sutcliffe CH**  
BRITTLE DIABETES. Oleesky S, Shreeve DR, Sutcliffe CH *Q J Med* 43:113-25, Jan 74 (Eng)
- Sutherland DE**  
POLYPEPTIDE SEQUENCING: USE OF DIPEPTIDYLAMINOPEPTIDASE I AND GAS CHROMATOGRAPHY-MASS SPECTROMETRY. Caprioli RM, Seifert WE Jr, Sutherland DE *Biochem Biophys Res Commun* 55:67-75, 1 Nov 73 (Eng)
- Sutherland HW**  
THE EFFECT OF PREGNANCY ON INTRA-UTERINE GLUCOSE TOLERANCE. Fisher PM, Hamilton PM, Sutherland HW, Stowers JM *J Obstet Gynaecol Br Commonw* 81:285-90, Apr 74 (Eng)
- Suzuki Y**  
RESERPINE-INDUCED GLYCOGEN ACCUMULATION IN THE EPITHELIAL CELLS OF THE MOUSE CHOROID PLEXUS. Suzuki Y, Ito T *Brain Res* 70:113-22, 12 Apr 74 (Eng)

## Diabetes Literature—Author Index

### Svendsen EV

CEREBRAL VENTRICLES (drug effects, metabolism); CHOROID PLEXUS (drug effects, metabolism); EPITHELIAL CELLS (drug effects, metabolism); GLUCAGON (metabolism); MICE; MICROSCOPY, ELECTRON; NIALAMIDE (pharmacodynamics); RESERPINE (antagonists & inhibitors, pharmacodynamics); TELENCEPHALON (drug effects, metabolism).

### Svendsen EV

DIABETES AND RENAL TRANSPLANTATION. A HYPOTHESIS. Kemp E, Kjaergaard E, Jensen IM, Svendsen EV *Scand J Urol Nephrol* 8:50-3, 1974 (Eng)

### Svennerholm L

[LIPID AND FATTY ACID COMPOSITION OF NERVOUS TISSUE PHOSPHOLIPIDS OF SQUID, LOBSTER, DOGFISH AND COD] Noren R, Svennerholm L *Zh Evol Biokhim Fiziol* 9:225-34, May-Jun 73 (Rus)

### Sweet RD

A DERMATOSIS SPECIFICALLY ASSOCIATED WITH A TUMOUR OF PANCREATIC ALPHA CELLS. Sweet RD *Br J Dermatol* 90:301-8, Mar 74 (Eng)

BLISTER (complications); BLOOD SUGAR; BODY WEIGHT; DIABETES MELLITUS (complications); GLIBENCLAMIDE (therapeutic use); GLUCAGON (analysis); GLUCOSE (therapeutic use); GLUCOSE TOLERANCE TEST; GLYCOURIA (complications); IGA; IGM; INSULIN (therapeutic use); KERATOSIS (complications); MIDDLE AGE; PANCREATICTOMY; PANCREATIC NEOPLASMS (complications); SKIN DISEASES (complications); SPLENECTOMY; STRESS, PSYCHOLOGICAL.

### Sweet RL

MYOCARDIAL INFARCTION AFTER EXERCISE-INDUCED ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH VARIANT ANGINA PECTORIS. Sweet RL, Sheffield LT *Am J Cardiol* 33:813-7, 20 May 74 (Eng)

AMITRIPTYLINE (therapeutic use); ANGINA PECTORIS (drug therapy, complications); ARTERIOSCLEROSIS (complications); CATHETERIZATION; DIABETES MELLITUS (complications); ELECTROCARDIOGRAPHY; EXERCISE TEST (adverse effects); GLYCERYL TRINITRATE (therapeutic use); HYDROCHLOROTHIAZIDE (therapeutic use); HYPERTENSION (complications, drug therapy); METHYLDOPA (therapeutic use); MIDDLE AGE; MYOCARDIAL INFARCT (etiology).

### Swinnen ME

DESIGN AND OPERATION OF A SIGNAL COMPARATOR TO INCREASE EFFICIENCY OF CONTINUOUS-FLOW ANALYZERS. Neeley WE, Wardlaw S, Swinnen ME *Clin Chem* 20:78-80, 1974 (Eng)

### Szabo A

[GLUCOSE DETERMINATION BY PHOTOMETRIC MICROMETHOD, WITHOUT ALBUMIN] Velosy G, Szabo A *Orv Hetil* 114:3988-9, 23 Dec 73 (Hun)

### Szadkowski M

[BLOOD INSULIN FOLLOWING INJECTION OF ENTEROHORMONES (PANCREOZYMIN AND SECRETIN) AND ITS CORRELATION WITH THE EXOCRINE SECRETORY FUNCTION OF THE PANCREAS IN VARIOUS AGE GROUPS IN HEALTHY SUBJECTS] Szadkowski M *Pol Tyg Lek* 29:421-3, 18 Mar 74 (Pol)

ADOLESCENCE; ADULT; AGE FACTORS; AGED; INSULIN (blood); MIDDLE AGE; PANCREAS (drug effects, secretion); PANCREOZYMIN (diagnostic use); SECRETIN (diagnostic use).

### Szczeczek GM

OCHRATOXICOSIS IN BEAGLE DOGS. I. CLINICAL AND CLINICOPATHOLOGICAL FEATURES. Szczeczek GM, Carlton WW, Tuite J *Vet Pathol* 10:135-54, 1973 (Eng)

ADMINISTRATION, ORAL; ALANINE AMINOTRANSFERASE (metabolism); ALKALINE PHOSPHATASE (metabolism); ANIMAL FEED; ASPARTATE AMINOTRANSFERASE (metabolism); ASPERGILLUS (growth & development); BLOOD SUGAR (analysis); BODY TEMPERATURE; BODY WEIGHT; CONJUNCTIVITIS (veterinary); DOG DISEASES (chemically induced); DOGS; HEMATOCTIT; HEMOGLOBIN (analysis); LACTATE DEHYDROGENASE (metabolism); LEUKOCYTE COUNT; OCHRATOXINS (administration & dosage, isolation & purification, toxicity); RICE; SODIUM (blood); TONSILLITIS (veterinary); URINE (analysis).

### Szgieoleit W

[HEMODYNAMIC AND BIOCHEMICAL RESULTS FOLLOWING ADMINISTRATION OF ALLOPURINOL IN HEALTHY INDIVIDUALS] Szgieoleit W, Taube C, Terhaag B, Forster W *Z Gesamte Inn Med* 28:465-6, 1 Aug 73 (Ger)

ADULT; ALLOPURINOL (pharmacodynamics); BLOOD PRESSURE (drug effects); BLOOD SUGAR (metabolism); CARDIAC OUTPUT (drug effects); CARDIAC VOLUME (drug effects); CORONARY DISEASE (drug therapy); DOGS; FATTY ACIDS, UNSATURATED (blood); HEART RATE (drug effects); HEMODYNAMICS (drug effects); LIPOPROTEINS (blood); OXYGEN CONSUMPTION (drug effects); URIC ACID (blood).

### Szule EJ

[CEREBRAL STROKES OCCURRING AMONG DIABETICS TREATED AT A DEPARTMENT OF INTERNAL MEDICINE] Szule EJ *Wiad Lek* 27:695-9, Apr 74 (Pol)

ADULT; AGED; CEREBRAL EMBOLISM AND THROMBOSIS (diagnosis); CEREBRAL HEMORRHAGE (diagnosis); CEREBROVASCULAR DISORDERS (etiology, diagnosis); DIABETES MELLITUS (complications); MIDDLE AGE.

### Tada K

[HYPERALANINEMIA-PYRUVICEMIA: CHRONIC LACTIC ACIDOSIS] Tada K *Jap J Clin Med* 31:2456-62, 10 Aug 73 (Jap)

ALANINE (blood); CHILD; CHILD, PRESCHOOL; LACTATES (metabolism); LIVER (enzymology); METABOLISM, INBORN ERRORS (metabolism); PYRUVATE CARBOXYLASE (metabolism); PYRUVATES (blood).

### Takeda M

CHANGES IN ADENOSINE 3,5-MONOPHOSPHATE LEVEL AND PROTEIN KINASE ACTIVITY BY GLUCAGON IN RAT LIVER NUCLEI. Higashino H, Takeda M *J Biochem (Tokyo)* 75:189-91, Jan 74 (Eng)

### Takeda Y

[GROWTH HORMONE AND ENZYMES] Takeda Y, Inoue H *Clin Endocrinol (Tokyo)* 21:781-8, Aug 73 (Jap) [55]

CARBOHYDRATES (metabolism); CARBOXYLYASES (metabolism); COENZYME A (metabolism); DNA NUCLEOTIDYLTRANSFERASES (metabolism); LIPIDS (metabolism); NUCLEIC ACIDS (metabolism); ORNITHINE; POLYAMINES (metabolism); PROTEINS (metabolism); SOMATOTROPIN (physiology); THYMIDINE KINASE (metabolism).

### Tang CL

REDUCTION OF ALPHA-OXO CARBOXYLIC ACIDS BY PIGEON LIVER MALIC ENZYME.

Tang CL, Hsu RY *Biochem J* 135:287-91, Oct 73 (Eng)

CATALYSIS; KETO ACIDS (metabolism); LIVER (enzymology); MAGNESIUM; MALATE DEHYDROGENASE; MALATES (metabolism); MANGANESE; OXALOACETATES (metabolism); PIGEONS.

### Tanner W

THE ACTIVE HEXOSE-UTAKE SYSTEM OF CHLORELLA VULGARIS. KM-VALUES FOR 6-DEOXYGLUCOSE INFLUX AND EFFLUX AND THEIR CONTRIBUTION TO SUGAR ACCUMULATION. Komor E, Hauss D, Komor B, Tanner W *Eur J Biochem* 39:193-200, 1 Nov 73 (Eng)

### Tantillo JJ

IMMUNOGENICITY OF SINGLE PEAK BEEF-PORK INSULIN IN DIABETIC SUBJECTS. Tantillo JJ, Karam JH, Burrill KC, Jones MA, Grodsky GM, Forsham PH *Diabetes* 23:276-81, Apr 74 (Eng)

ADOLESCENCE; ADULT; AGED; ANTIGENS; CATTLE; CHILD; DIABETES MELLITUS (drug therapy); EVALUATION STUDIES; INSULIN (adverse effects, therapeutic use, standards); INSULIN ANTIBODIES (biosynthesis); INSULIN RESISTANCE; IODINE RADIOISOTOPES; MOLECULAR WEIGHT; RADIOIMMUNOASSAY; SWINE.

### Tao M

ADENOSINE CYCLIC 3,5-MONOPHOSPHATE-DEPENDENT PROTEIN KINASE FROM RABBIT ERYTHROCYTES. PURIFICATION AND CHARACTERIZATION OF MULTIPLE FORMS. Tao M, Hackett P *J Biol Chem* 248:5324-32, 10 Aug 73 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); BINDING SITES; CENTRIFUGATION, DENSITY GRADIENT; CHROMATOGRAPHY; CHROMATOGRAPHY, DEAE-CELLULOSE; CHROMATOGRAPHY, ION EXCHANGE; DRUG STABILITY; ELECTROPHORESIS, POLYACRYLAMIDE GEL; ERYTHROCYTES (drug effects, enzymology); GEL FILTRATION; HEAT; MAGNESIUM (pharmacodynamics); MOLECULAR WEIGHT; PHOSPHORUS RADIOISOTOPES; PROTAMINES (pharmacodynamics); PROTEIN BINDING; PROTEIN KINASE (isolation & purification, metabolism, blood); RABBITS.

### Tarzynska-Kleineder J

[DIFFERENCES IN GLYCEMIC CURVES IN ALBINO BN AND BLACK C57BL MICE FOLLOWING INTRAPERITONEAL ADRENALINE ADMINISTRATION] Zbyt-niewski Z, Tarzynska-Kleineder J *Endokrynol Pol* 24:459-65, Nov-Dec 73 (Pol)

### Tattersall RB

LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS. Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)

### Taube C

[HEMODYNAMIC AND BIOCHEMICAL RESULTS FOLLOWING ADMINISTRATION OF ALLOPURINOL IN HEALTHY INDIVIDUALS] Szgieoleit W, Taube C, Terhaag B, Forster W *Z Gesamte Inn Med* 28:465-6, 1 Aug 73 (Ger)

### Tayo FM

PROCEEDINGS: INHIBITORY EFFECT OF PROPRANOLOL ON INSULIN SECRETION. Furman BL, Tayo FM *Br J Pharmacol* 49:145P, Sep 73 (Eng)

**Tejwani GA**

SEDOHEPTULOSE-7-PHOSPHATE KINASE ACTIVITY OF PHOSPHOFRUCTOKINASE FROM THE DIFFERENT TISSUES OF RABBIT. Karadsheh NS, Tejwani GA, Ramaiah A *Biochim Biophys Acta* 327:66-81, 15 Nov 73 (Eng)

INTERCONVERTIBLE FORMS OF PHOSPHOFRUCTOKINASE OF RABBIT LIVER. THE ROLE OF EFFECTORS ON THE INTERCONVERSION. Ramaiah A, Tejwani GA *Eur J Biochem* 39:183-92, 1 Nov 73 (Eng)

**Tenenhouse A**

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY NAF. Katz S, Tenenhouse A *Br J Pharmacol* 48:505-15, Jul 73 (Eng)

THE RELATION OF ADENYL CYCLASE TO THE ACTIVITY OF OTHER ATP UTILIZING ENZYMES AND PHOSPHODIESTERASE IN PREPARATIONS OF RAT BRAIN; MECHANISM OF STIMULATION OF CYCLIC AMP ACCUMULATION BY ADRENALINE, OUBAIN AND MN00. Katz S, Tenenhouse A *Br J Pharmacol* 48:516-26, Jul 73 (Eng)

**Teraoka H**

[PHOSPHOENOLPYRUVATE CARBOXYLASE: MECHANISM FOR ALLOSTERIC REGULATION BY MULTIPLE EFFECTORS (AUTHORS TRANSL)] Katsuki H, Kzui K, Teraoka H, Yoshinaga T, Morikawa M *Jap Biochem Soc* 45:781-803, Sep 73 (Jap) [95]

**Terhaag B**

[HEMODYNAMIC AND BIOCHEMICAL RESULTS FOLLOWING ADMINISTRATION OF ALLOPURINOL IN HEALTHY INDIVIDUALS] Sziegoleit W, Taube C, Terhaag B, Forster W *Z Gesamte Inn Med* 28:465-6, 1 Aug 73 (Ger)

**Tervo T**

THE EFFICACY OF CORTICOSTEROIDS IN SEVERE TRAUMA. Rokkanen P, Alho A, Avikainen V, Karaharju E, Kataja J, Lahdensuu M, Lepisto P, Tervo T *Surg Gynecol Obstet* 138:69-73, Jan 74 (Eng)

**Tetsch P**

[BETADRENOL INFLUENCE ON CARDIOVASCULAR AND METABOLIC BEHAVIOR IN ORAL SURGERY WITH LOCAL ANESTHESIA] Tetsch P, Brisse B, Eismann U *Dtsch Zahnärztl Z* 28:1011-5, Oct 73 (Ger)

ADRENERGIC BETA RECEPTOR BLOCKADERS (pharmacodynamics); ANESTHESIA, DENTAL; ANESTHESIA, LOCAL; BLOOD PRESSURE (drug effects); BLOOD SUGAR (analysis); CARDIOVASCULAR SYSTEM (drug effects); FATTY ACIDS, NONESTERIFIED (blood); HEART RATE (drug effects); NOREPINEPHRINE (blood); SURGERY, ORAL.

**The R**

UNSATURATED FATTY ACIDS AS REACTIVATORS OF THE CALCIUM-DEPENDENT ATPASE OF DELIPIDATED SARCOPLASMIC MEMBRANES. The R, Hasselbach W *Eur J Biochem* 39:63-8, 1 Nov 73 (Eng)

ADENOSINE TRIPHOSPHATASE (metabolism); CALCIUM (metabolism); ENZYME ACTIVATION; FATTY ACIDS (pharmacodynamics); FATTY ACIDS, UNSATURATED (pharmacodynamics); HYDROGEN-ION CONCENTRATION; LINOLEIC ACID (pharmacodynam-

ics); LINOLENIC ACID (pharmacodynamics); MEMBRANES; OLEIC ACID (pharmacodynamics); PHOSPHOPROTEINS (biosynthesis); RABBIT; SARCOPLASMIC RETICULUM (enzymology); TEMPERATURE.

**Theve NO**

OBSERVATIONS DURING TREATMENT OF ACUTE PANCREATITIS WITH INSULIN AND GLUCOSE INFUSION. Hallberg D, Theve NO *Acta Chir Scand* 140:138-42, 1974 (Eng)

**Thoai N van**

YEAST 3-PHOSPHOGLYCERATE KINASE: EVIDENCE FOR A GLUTAMYL RESIDUE IN THE PHOSPHORYL TRANSFER. Brevet A, Roustan C, Desvages G, Pradel LA, Thoai N van *Eur J Biochem* 39:141-7, 1 Nov 73 (Eng)

**Thomas JA**

ACTIONS OF MORPHINE ON PROSTATE GLAND FRUCTOSE METABOLISM. Dombrosky JT, Thomas JA, Mawhinney MG, Lloyd JW *Life Sci* 13:795-804, 1 Oct 73 (Eng)

**Thomsen AC**

[TREATMENT OF SEVERE DIABETIC KETOACIDOSIS WITH INTRAVENOUS INSULIN] Fabricius-Bjerre N, Krabbe S, Lyngsøe J, Thomsen AC *Ugeskr Laeger* 136:188-92, 21 Jan 74 (Dan)

**Thornell IR**

EFFECTS OF BETA ADRENERGIC BLOCKING AGENTS ON PLASMA RENIN ACTIVITY IN THE CONSCIOUS RABBIT. Weber MA, Thornell IR, Stokes GS *J Pharmacol Exp Ther* 188:234-40, Jan 74 (Eng)

**Thorngren KG**

EFFECT OF DOSE AND ADMINISTRATION PERIOD OF GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI, Menander-Sellman K, Stenstrom A *Acta Endocrinol (Kbh)* 74:1-23, Sep 73 (Eng)

AGE FACTORS; BODY WEIGHT (drug effects); BONE DEVELOPMENT (drug effects); CARTILAGE (drug effects); CATTLE; CORTISONE (pharmacodynamics); DEPRESSION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; HEART (anatomy & histology, drug effects); HYPOPHYSECTOMY; INJECTIONS, SUBCUTANEOUS; METHODS; MICROSCOPY, FLUORESCENCE; ORGAN WEIGHT; RATS; SOMATOTROPIN (pharmacodynamics, administration & dosage); STIMULATION, CHEMICAL; TETRACYCLINE (diagnostic use); TIBIA; TIME FACTORS.

EFFECT OF THYROXINE AND GROWTH HORMONE ON LONGITUDINAL BONE GROWTH IN THE HYPOPHYSECTOMIZED RAT. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 74:24-40, Sep 73 (Eng)

BODY WEIGHT (drug effects); BONE DEVELOPMENT (drug effects); CARTILAGE (drug effects); CATTLE; DEPRESSION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; DRUG SYNERGISM; HEART (anatomy & histology, drug effects); HYPOPHYSECTOMY; MICROSCOPY, FLUORESCENCE; ORGAN WEIGHT; RATS; SOMATOTROPIN (pharmacodynamics); STIMULATION, CHEMICAL; TETRACYCLINE (diagnostic use); THYROXINE (pharmacodynamics); TIBIA; TIME FACTORS.

CELL KINETICS OF THE GROWTH PLATE IN HYPOPHYSECTOMIZED RATS TREATED WITH GROWTH HORMONE AND THYROXINE. Thorngren KG, Hansson LI *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73 (Eng)

CELL DIVISION; DOSE-RESPONSE RELATIONSHIP, DRUG; HYPOPHYSECTOMY; OXYTETRACYCLINE (diagnostic use); PITUITARY GLAND (physiology); RATS; SO-

MATOTROPIN (administration & dosage, pharmacodynamics); THYROXINE (administration & dosage, pharmacodynamics); TIBIA (drug effects, growth & development); TIME FACTORS.

**Tkachev AV**

[INTERPRETATION OF THE RESULTS OF HISTOCHEMICAL STUDY OF CARBOHYDRATE METABOLISM IN THE THYROID GLAND] Tkachev AV, Vazilo VE, Zaichik VE *Probl Endokrinol (Mosk)* 19:104-6, Nov-Dec 73 (Rus)

CARBOHYDRATES (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); HISTOCYTOCHEMISTRY; LACTATE DEHYDROGENASE (metabolism); LIPOAMIDE DEHYDROGENASE (metabolism); NADP (metabolism); RATS; RATS, INBRED STRAINS; SUCCINATE DEHYDROGENASE (metabolism); THYROID GLAND (enzymology, metabolism).

**Tobin JD**

A MODEL OF THE KINETICS OF INSULIN IN MAN. Sherwin RS, Kramer KJ, Tobin JD, Insel PA, Liljenquist JE, Berman M, Andres R *J Clin Invest* 53:1481-92, May 74 (Eng)

**Tomasi V**

A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA0-K0 ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE. Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

**Tomkins GM**

NUCLEAR BINDING OF STEROID RECEPTORS: COMPARISON IN INTACT CELLS AND CELL-FREE SYSTEMS. Higgins SJ, Rousseau GG, Baxter JD, Tomkins GM *Proc Natl Acad Sci USA* 70:3415-8, Dec 73 (Eng)

CONCOMITANT EFFECTS OF INSULIN ON SURFACE MEMBRANE CONFORMATION AND POLYSOME PROFILES OF SERUM-STARVED BALB-C 3T3 FIBROBLASTS. Evans RB, Morhenn V, Jones AL, Tomkins GM *J Cell Biol* 61:95-106, Apr 74 (Eng)

**Torrello M**

EFFECTS OF FOOD DEPRIVATION, DISCRIMINATION EXPERIENCE AND PHYSOSTIGMINE ON CHOLINE ACETYLASE AND ACETYLCHOLINE ESTERASE IN THE DORSAL HIPPOCAMPUS AND FRONTAL CORTEX OF RATS. Izquierdo JA, Baratti CM, Torrello M, Arevalo L, McGaugh JL *Psychopharmacologia* 33:103-10, 23 Oct 73 (Eng)

**Torzecka W**

[DEATHS CAUSED BY CHRONIC PYELONEPHRITIS AND KIMMELSTIEL-WILSON SYNDROME AMONG DIABETICS] Torzecka W, Mrosczyk M, Jurga-Wanick K *WHO Tech Rep Ser* 27:405-9, 1 Mar 74 (Pol)

ADULT; AGED; CHRONIC DISEASE; DIABETES MELLITUS (complications, mortality); KIMMELSTIEL-WILSON SYNDROME (complications); MIDDLE AGE; PYELONEPHRITIS (complications).

**Townsend JF**

EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS. Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)

**Trella C**

A MODIFICATION OF THE ROE PROCEDURE FOR DETERMINATION OF FRUCTOSE IN TISSUES WITH INCREASED SPECIFICITY.

## Diabetes Literature—Author Index

### Trenkle A

Foreman D, Gaylor L, Evans E, Trella C *Anal Biochem* 56:584-90, Dec 73 (Eng)

### Trenkle A

**HORMONAL AND NUTRITIONAL INTER-RELATIONSHIPS AND THEIR EFFECTS ON SKELETAL MUSCLE.** Trenkle A *J Anim Sci* 38:1142-9, May 74 (Eng) [50]

AMINO ACIDS (metabolism); CELL NUCLEUS; DIET; DIETARY PROTEINS (administration & dosage); DNA (biosynthesis); HYPOPHYSECTOMY; INSULIN (pharmacodynamics); LACTATION; LIVER (metabolism); MUSCLE PROTEINS (biosynthesis); MUSCLES (drug effects, metabolism, physiology, growth & development); PROTEIN DEFICIENCY (metabolism); RATS; RIBOSOMES (metabolism); RNA (biosynthesis); RNA, RIBOSOMAL (metabolism); SOMATOTROPIN (blood, pharmacodynamics); STARVATION (metabolism).

### Trevisani A

**A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA<sup>+</sup>-K<sup>+</sup> ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE.** Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

### Tria E

**A STUDY OF THE HORMONAL CONTROL IN VITRO OF NA<sup>+</sup>-K<sup>+</sup> ACTIVATED ATPASE OF ISOLATED LIVER PLASMA MEMBRANE.** Barnabei O, Luly P, Tomasi V, Trevisani A, Tria E *Adv Enzyme Regul* 11:273-90, 1973 (Eng) [45]

### Troncale FJ

**DISTANT MANIFESTATIONS OF COLONIC CARCINOMA.** Troncale FJ *Ann NY Acad Sci* 230:332-8, 1974 (Eng) [50]

ANEMIA (etiology); APPETITE DISORDERS (etiology); CARCINOEMBRYONIC ANTIGEN (analysis); COLON (pathology); COLONIC NEOPLASMS (immunology, pathology, complications); CUSHINGS SYNDROME (etiology); ENDOCARDITIS (etiology); HYPERCALCEMIA (etiology); HYPOGLYCEMIA (etiology); INTESTINAL MUCOSA (pathology); INTESTINAL POLYPS (complications); NEOPLASMS, MULTIPLE PRIMARY; NEOPLASTIC ENDOCRINE-LIKE SYNDROMES; NEUROLOGIC MANIFESTATIONS; ODONTOGENIC TUMOR (complications); OSTEOMA (complications); PEUTZ-JEGHERS SYNDROME (complications); PROTEIN-LOSING ENTEROPATHIES (etiology); SKIN MANIFESTATIONS; SKIN NEOPLASMS (complications); SYNDROME; THROMBOPHLEBITIS (etiology).

### Tronnier H

**[DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: DERMATOLOGY]** Tronnier H *Int J Clin Pharmacol* 8:337-49, Dec 73 (Ger)

DIABETES MELLITUS (complications); HERPES ZOSTER (etiology); LIVER DISEASES (complications); MALABSORPTION SYNDROMES (complications); MONILIASIS (etiology); PARATHYROID DISEASES (complications); PHENYLALANINE (metabolism); PIGMENTATION DISORDERS (etiology); SKIN DISEASES (diagnosis, etiology); SKIN MANIFESTATIONS; TRYPTOPHAN (metabolism); TYROSINE (metabolism); VITAMIN B 12 DEFICIENCY (complications).

### Tsai JS

**THYROID HORMONE ACTION IN CELL CULTURE: DEMONSTRATION OF NUCLEAR RECEPTORS IN INTACT CELLS AND ISOLATED NUCLEI.** Samuels HH, Tsai JS *Proc Natl Acad Sci USA* 70:3488-92, Dec 73 (Eng)

### Tsai SC

**INACTIVATION OF HORMONE-SENSITIVE LIPASE FROM ADIPOSE TISSUE WITH ADENOSINE TRIPHOSPHATE, MAGNESIUM, AND ASCORBIC ACID.** Tsai SC, Fales HM, Vaughan M *J Biol Chem* 248:5278-81, 10 Aug 73 (Eng)

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### Tsuboi M

**EFFECT OF CYCLIC AMP, THEOPHYLLINE AND CAFFEINE ON THE GLUCOSE REPRESSION OF SPOREULATION IN SACCHAROMYCES CEREVISIAE.** Tsuboi M, Yanagishima N *Arch Mikrobiol* 93:1-12, 4 Oct 73 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); CAFFEINE (pharmacodynamics); CULTURE MEDIA; DRUG SYNERGISM; GLUCOSE (analysis, pharmacodynamics, antagonists & inhibitors); REPRODUCTION (drug effects); SACCHAROMYCES CEREVISIAE (growth & development, drug effects); SPECTROPHOTOMETRY; SPORES, FUNGAL (drug effects); THEOPHYLLINE (pharmacodynamics); TIME FACTORS.

### Tuite J

**OCHRATOXICOSIS IN BEAGLE DOGS. I. CLINICAL AND CLINICOPATHOLOGICAL FEATURES.** Szczech GM, Carlton WW, Tuite J *Vet Pathol* 10:135-54, 1973 (Eng)

### Tunbridge WM

**MANAGEMENT OF PATIENTS FOR YTTRIUM-90 IMPLANTATION OF THE PITUITARY GLAND.** Whitwam JG, Tunbridge WM, Fuller WJ *Br J Anaesth* 45:1121-9, Nov 73 (Eng)

**EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS.** Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

### Tung TC

**STUDIES ON THE EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE ATHEROSCLEROSIS INDUCED BY CHOLESTEROL FEEDING IN RABBITS. II. EFFECT OF RIBOFLAVIN TETRABUTYRATE ON THE FORMATION OF ATHEROSCLEROSIS.** Lin JK, Hsu CY, Huang CH, Chiang HH, Tung TC *J Formosan Med Assoc* 72:472-9, Sep 73 (Eng)

### Turkington VE

**EFFECTS OF MEDROXYPROGESTERONE ACETATE ON CARBOHYDRATE METABOLISM.** Tuttle S, Turkington VE *Obstet Gynecol* 43:685-92, May 74 (Eng)

### Tuttle S

**EFFECTS OF MEDROXYPROGESTERONE ACETATE ON CARBOHYDRATE METABOLISM.** Tuttle S, Turkington VE *Obstet Gynecol* 43:685-92, May 74 (Eng)

ADULT; BLOOD SUGAR (analysis); BODY WEIGHT (drug effects); FATTY ACIDS, NONESTERIFIED (blood, metabolism); FERTILIZATION (drug effects); GLUCOSE TOLERANCE TEST; INSULIN (blood); MEDROXYPROGESTERONE (pharmacodynamics); SOMATOTROPIN (blood); TRIGLYCERIDES (blood, metabolism).

### Tveit B

**SERUM ELECTROLYTE, FLUID AND ACID-BASE BALANCE AFTER PROLONGED HEAVY EXERCISE AT LOW ENVIRONMENTAL TEMPERATURE.** Refsum HE, Tveit B, Meen HD, Stromme SB *Scand J Clin Lab Invest* 32:117-22, Oct 73 (Eng)

### Twrdy E

**[DIAGNOSIS AND THERAPY OF THE SECONDARY DISEASE: GERIATRICS]** Twrdy E *Int J Clin Pharmacol* 8:315-25, Dec 73 (Ger)

AGED; CENTRAL NERVOUS SYSTEM DISEASES (chemically induced); CEREBROVASCULAR DISORDERS (chemically induced); CORTISONE (adverse effects); DIABETES MELLITUS (chemically induced); DIGITALIS GLYCOSIDES (administration & dosage); DOSE-RESPONSE RELATIONSHIP; DRUG; DRUG HYPERSENSITIVITY (diagnosis); DRUG THERAPY (adverse effects); GERIATRICS; GOUT (chemically induced); MYOCARDIAL INFARCT (complications); OSTEOPOROSIS (chemically induced); SYMPATHOMIMETICS (administration & dosage); THYROXINE (administration & dosage, toxicity); VITAMIN D (administration & dosage, toxicity).

### Tylen U

**PANCREATOGRAPHY IN RELAPSING PANCREATITIS.** Arnesjo B, Kugelberg C, Tylen U *Acta Chir Scand* 140:131-7, 1974 (Eng)

### Ueda Y

**PROCEEDINGS: MAST CELL SECRETION (HISTAMINE RELEASE) INDUCED BY 48-80: CALCIUM-DEPENDENT EXOCYTOSIS INHIBITED STRONGLY BY CYTOCHALASIN ONLY WHEN GLYCOLYSIS IS RATE-LIMITING.** Douglas WW, Ueda Y *J Physiol (Lond)* 234:97P-98P, Oct 73 (Eng)

### Umminger BL

**SERUM COMPOSITION OF THE COELACANTH, LATIMERIA CHALUMNAE SMITH.** Griffith RW, Umminger BL, Grant BF, Pang PK, Pickford GE *J Exp Zool* 187:87-102, Jan 74 (Eng)

### Unger RH

**THE EFFECT OF ADRENERGIC BLOCKADE ON EXERCISE-INDUCED HYPERGLUCAGONEMIA.** Harvey WD, Faloona GR, Unger RH *Endocrinology* 94:1254-8, May 74 (Eng)

**GLUCAGON AND THE INSULIN: GLUCAGON RATIO IN SEVERE TRAUMA.** Lindsey CA, Faloona GR, Unger RH *Trans Assoc Am Physicians* 86:264-71, 1973 (Eng)

### Unterkircher R

**[PRADER-WILLI-LABHART-SYNDROME IN INFANCY (AUTHORS TRANSL.)]** Haberfellner H, Glatzl J, Unterkircher R *Paediatr Paedol* 9:123-9, 1974 (Ger)

### Uvnas B

**[BIGUANIDES AND LACTIC ACID ACIDOSIS]** Uvnas B *Lakartidningen* 70:3505, 3 Oct 73 (Swe)

ACIDOSIS, DIABETIC (chemically induced); ADULT; LACTATES (metabolism); METFORMIN (adverse effects); MIDDLE AGE; PHENFORMIN (adverse effects).

### Vagelos PR

**INHIBITION OF FATTY ACID SYNTHESIS BY THE ANTIBIOTIC CERULENIN. SPECIFIC INACTIVATION OF BETA-KETOACYL-CARRIER PROTEIN SYNTHETASE.** D'Agno G, Rosenfeld IS, Awaya J, Omura S, Vagelos PR *Biochim Biophys Acta* 326:155-6, 29 Nov 73 (Eng)

**REGULATION OF MAMMALIAN FATTY-ACID SYNTHETASE. THE ROLES OF CARBOHYDRATE AND INSULIN.** Volpe JJ,

Vagelos PR *Proc Natl Acad Sci USA* 71:889-93, Mar 74 (Eng)

Vailati G

[RESEARCH ON THE EUGLYCEMIC EFFECT OF A NEW, DELAYED-ACTION PHENFORMIN IN FLORID DIABETIC PATIENTS DURING ORAL GLUCOSE TOLERANCE TEST] Vailati G, Cuttita F, Montini M, Rebba A, Pagani G *Clin Ter* 68:149-70, 31 Jan 74 (Ita)  
BLOOD SUGAR (analysis); DELAYED-ACTION PREPARATIONS; DIABETES MELLITUS (blood, drug therapy); DRUG EVALUATION; GLUCOSE TOLERANCE TEST; PHENFORMIN (blood, therapeutic use).

Vaishnava H

OBSERVATIONS ON LIPOLYSIS IN KETOSIS-RESISTANT, GROWTH-ONSET DIABETES. Hagroo AA, Verma NP, Datta P, Ajmani NK, Vaishnava H *Diabetes* 23:268-75, Apr 74 (Eng)

Vaisrub S

EDITORIAL: THE VALSALVA MANEUVER IN DIABETIC NEUROPATHY. Vaisrub S *JAMA* 228:1151, 27 May 74 (Eng)  
AUTONOMIC TRYPHOSPHATASE (complications, physiopathology, diagnosis); DIABETIC NEPHROPATHIES (complications); ELECTROCARDIOGRAPHY; HEART RATE; HYPOTENSION; ORTHOSTATIC (physiopathology); VALSALVA MANEUVER.

Valderrama E

GANGRENE OF THE HAND IN A NEWBORN CHILD. Hoffman S, Valderrama E, Gribetz I, Strauss L *Hand* 6:70-3, Feb 74 (Eng)

Vale MG

EFFECTS OF RUTHENIUM RED ON CA20 UPTAKE AND ATPASE OF SARCOPLASMIC RETICULUM OF RABBIT SKELETAL MUSCLE. Vale MG, Carvalho AP *Biochim Biophys Acta* 325:29-37, 19 Oct 73 (Eng)  
ADENOSINE TRIPHOSPHATASE (antagonists & inhibitors); ADENOSINE TRIPHOSPHATE (pharmacodynamics); BIOLOGICAL TRANSPORT (drug effects); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); CALCIUM (metabolism); DYES (pharmacodynamics); ENZYME ACTIVATION; MAGNESIUM (pharmacodynamics); OXALATES (pharmacodynamics); RABBITS; RUTHENIUM (pharmacodynamics); SARCOPLASMIC RETICULUM (enzymology, metabolism, drug effects); SPECTROPHOTOMETRY, ATOMIC ABSORPTION.

Vallotton WW

A DOSAGE AID FOR PATIENTS WITH IMPAIRED VISION. Wright FA, Vallotton WW, Hargest TS *Trans Am Acad Ophthalmol Otolaryngol* 78:OP237-8, Mar-Apr 74 (Eng)

Vandaele R

[WERNERS SYNDROME, FAMILIAL ULCEROUS SCLERODERMIA WITH CATARACTS AND DIABETES] Vandaele R *Arch Belg Dermatol* 29:251-4, Jul-Sep 73 (Fre)  
AMPUTATION; CATARACT (complications); CONSANGUINITY; DECALCIFICATION, PATHOLOGIC (etiology); DIABETES MELLITUS (complications); FAMILY; FOOT DISEASES (etiology, surgery); LARYNGEAL NEOPLASMS (complications); LEG (surgery); LEG ULCER (etiology, surgery); MIDDLE AGE; NAILS, MALFORMED (etiology); POLYPS (complications); TELANGIECTASIS (etiology); WERNERS SYNDROME (diagnosis, complications).

[WERNERS SYNDROME, FAMILIAL ULCEROUS SCLERODERMIA WITH CATARACT AND DIABETES] Vandaele R *Arch Belg Dermatol Syphiligr* 29:251-4, Jul-Sep 73 (Fre)

ABNORMALITIES, MULTIPLE; CATARACT (familial & genetic); DIABETES MELLITUS (familial & genetic); FOOT DISEASES; LEG ULCER (familial & genetic); MIDDLE AGE; SCLERODERMA, SYSTEMIC (familial & genetic); ULCER; WERNERS SYNDROME.

VanderArk CR

ELECTROLYTES AND THE ELECTROCARDIOGRAM. VanderArk CR, Ballantyne F 3d, Reynolds EW Jr *Cardiovasc Clin* 5:269-94, 1973 (Eng) [52]

ACTION POTENTIALS; BUNDLE-BRANCH BLOCK (physiopathology); CALCIUM (blood); CELL MEMBRANE; DIAGNOSIS, DIFFERENTIAL; ELECTROCARDIOGRAPHY; GLUCONATES (therapeutic use); GLUCOSE (therapeutic use); HEART (physiopathology); HEART RATE; HEART VENTRICLE (physiopathology); HYDROGEN-ION CONCENTRATION; HYPERCALCEMIA (diagnosis); HYPERKALEMIA (drug therapy, physiopathology); HYPOCALCEMIA (diagnosis); HYPOKALEMIA (diagnosis, physiopathology); INFANT; INSULIN (therapeutic use); MAGNESIUM (blood); MEMBRANE POTENTIALS; MYOCARDIAL INFARCT (physiopathology); POTASSIUM (blood, toxicity); SODIUM (therapeutic use); TACHYCARDIA (physiopathology).

Vanhille P

[COMBINATION OF DIABETES AND SCLERODERMA] Fourrier A, Mouton YJ, Montois R, Zylberberg C, Pommelet P, Vanhille P *Sem Hop Paris* 49:2853-6, 26 Oct 73 (Fre)

Van Orden DE

FETAL EFFECTS OF MATERNAL STREPTOZOTOCIN-DIABETES. Pitkin RM, Van Orden DE *Endocrinology* 94:1247-53, May 74 (Eng)

Van Pelt RW

INTRA-ARTICULAR INJECTION OF FLUMETHASONE SUSPENSION IN NORMAL JOINTS OF HORSES. Van Pelt RW *Equine Vet J* 5:162-70, Oct 73 (Eng)  
ALANINE AMINOTRANSFERASE (analysis); ALDOLASE (analysis); ALKALINE PHOSPHATASE (analysis); ASPARTATE AMINOTRANSFERASE (analysis); BLOOD SUGAR (analysis); FLUMETHASONE (adverse effects, pharmacodynamics, administration & dosage); GLUCOSE (analysis); HINDLIMB; HORSE DISEASES (chemically induced); HORSES; HYALURONIC ACID (analysis); INJECTIONS, INTRA-ARTICULAR; JOINTS (drug effects); LACTATE DEHYDROGENASE (analysis); PROTEINS (analysis); SYNOVIAL FLUID (analysis, cytology, drug effects, enzymology); SYNOVIAL MEMBRANE (drug effects); SYNOVITIS (veterinary); VISCOSITY.

Varga F

[JUVENILE DIABETES MELLITUS AND SELECTIVE IGA DEFICIENCY] Cser A, Ambrus M, Bajtai G, Heim T, Varga F *Orv Hetil* 115:803-6, 7 Apr 74 (Hun)

Vasiliiu M

[PHYSIOPATHOLOGICAL AND ANATOMOCINICAL BASES OF SURGERY OF DUODENAL ULCER (CORTICAL, DIENCEPHALIC, HYPOPHYSEAL, PANCREATIC, ADRENAL) AND VAGOGASTRIC (PATHOGENIC HYPOTHESIS)] Mandache F, Prodescu V, Constantinescu S, Vasiliiu M, Ghergut A *Chirurgia (Bucur)* 23:97-110, Feb 74 (Rum)

Vasiukova EA

[EARLY FORMS OF DIABETES MELLITUS AND ITS PREVENTION] Vasiukova EA *Med Sestra* 33:6-10, Jan 74 (Rus)

DIABETES MELLITUS (prevention & control).

Vaughan M

INACTIVATION OF HORMONE-SENSITIVE LIPASE FROM ADIPOSE TISSUE WITH ADENOSINE TRIPHOSPHATE, MAGNESIUM, AND ASCORBIC ACID. Tsai SC, Fales HM, Vaughan M *J Biol Chem* 248:5278-81, 10 Aug 73 (Eng)

Vaughan NJ

THE ROLE OF THE AUTONOMIC INNERVATION IN THE CONTROL OF GLUCAGON RELEASE DURING HYPOGLYCAEMIA IN THE CALF. Bloom SR, Edwards AV, Vaughan NJ *J Physiol (Lond)* 236:611-23, Feb 74 (Eng)

Vazilo VE

[INTERPRETATION OF THE RESULTS OF HISTOCHEMICAL STUDY OF CARBOHYDRATE METABOLISM IN THE THYROID GLAND] Tkachev AV, Vazilo VE, Zaichik VE *Probl Endokrinol (Mosk)* 19:104-6, Nov-Dec 73 (Rus)

Vazquez AM

NEONATAL ISLET CELL ADENOMA: CASE REPORT AND LITERATURE REVIEW. Fischer GW, Vazquez AM, Buist NR, Campbell JR, McCarty E, Egan ET *Pediatrics* 53:753-6, May 74 (Eng)

Veitch FP

STUDIES ON A PYROPHOSPHATASE AND GLUCOSE-6-PHOSPHATASE FROM ASPERGILLUS ORYZAE. Gold EW, Veitch FP *Biochim Biophys Acta* 327:166-75, 15 Nov 73 (Eng)

Veith FJ

URETERAL CONDUIT IN PANCREATIC TRANSPLANTATION. Whittaker JR, Veith FJ, Gold M, Freed S, Gliedman ML *Invest Urol* 11:315-8, Jan 74 (Eng)

Velican C

THE METABOLISM OF LARGE ARTERIES AS RELATED TO THE ONSET OF ATHEROSCLEROTIC LESIONS. Velican C *Rev Roum Med Intern* 10:373-85, 1973 (Eng)  
ARTERIES (enzymology, metabolism); ARTERIOSCLEROSIS (metabolism); GLUCOSE (metabolism); GLYCOLYSIS; KREBS CYCLE; MUSCLE, SMOOTH (metabolism, enzymology); PENTOSSES (metabolism).

Vellar OD

CHANGES IN SERUM PRE-BETA-LIPOPROTEIN FOLLOWING THE FEEDING OF SUCROSE. A PRELIMINARY TRIAL IN PHYSICALLY ACTIVE AND INACTIVE YOUNG MALE STUDENTS. Wille LE, Vellar OD, Hermansen L *J Oslo City Hosp* 23:141-56, Sep 73 (Eng)

Velosy G

[GLUCOSE DETERMINATION BY PHOTOMETRIC MICROMETHOD, WITHOUT ALBUMIN] Velosy G, Szabo A *Orv Hetil* 114:3988-9, 23 Dec 73 (Hun)  
GLUCOSE (analysis); INDICATORS AND REAGENTS; PHOTOMETRY; TOLUIDINES (diagnostic use).

Verloren HJ

[INFLUENCE OF FOOD COMPOSITION ON CARBOHYDRATE AND FAT METABOLISM] Verloren HJ, Lohmann D, Bruckner U, Pohl A, Bemm H *Dtsch Z Verdau Stoffwechselkr* 33:89-95, 1973 (Ger)  
ADULT; BLOOD SUGAR (metabolism); BODY WEIGHT; CARBOHYDRATES (metabolism); DIABETES MELLITUS (etiology); DIET; DIETARY CARBOHYDRATES; DIETARY FATS; INSULIN (blood); LIPIDS (blood, metabolism);

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### Verma NP

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### Verma NP

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### Verzhbinkaia NA

[FUNCTIONAL ORGANIZATION OF THE ENZYME SYSTEMS OF GLYCOLYSIS IN MUSCLE AND NERVE TISSUE OF CEPHALOPOD MOLLUSCS AND LOWER FISHES] Verzhbinkaia NA *Zh Evol Biokhim Fiziol* 8:260-8, May-Jun 73 (Rus)

FISHES (physiology); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOLYSIS; HEXOKINASE (metabolism); ISOCITRATE DEHYDROGENASE (metabolism); LACTATE DEHYDROGENASE (metabolism); MALATE DEHYDROGENASE (metabolism); MOLLUSCA (physiology); MUSCLES (enzymology); NERVOUS SYSTEM (enzymology); PHOSPHOFRUCTOKINASE (metabolism); PYRUVATE KINASE (metabolism).

### Vicente M

REGULATION OF THE GLUCOLYTIC ENZYMES IN PSEUDOMONAS PUTIDA. Vicente M, Canovas JL *Arch Mikrobiol* 93:53-64, 4 Oct 73 (Eng)

ALCOHOL OXIDOREDUCTASES (metabolism); ALDEHYDE-LYASES (biosynthesis); CULTURE MEDIA; ENZYME INDUCTION; GLUCONATES (metabolism); GLUCOSE (metabolism); GLUCOSE OXIDASE (metabolism); GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (metabolism); MUTATION; ORGANOPHOSPHORUS COMPOUNDS; PSEUDOMONAS (enzymology); TIME FACTORS.

### Vinik AI

GLUCAGON RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. POSSIBLE PATHOGENIC SIGNIFICANCE IN DIABETES. Kalk WJ, Vinik AI, Bank S, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:257-63, Apr 74 (Eng)

PLASMA GASTRIN RESPONSES TO ARGININE IN CHRONIC PANCREATITIS. Kalk WJ, Vinik AI, Bank S, Hayes JR, Ardill J, Buchanan KD, Keller P, Jackson WP *Diabetes* 23:264-7, Apr 74 (Eng)

STUDIES ON HYPOGLYCAEMIA IN PRIMARY CARCINOMA OF THE LIVER. A CASE REPORT AND REVIEW OF PATHOGENETIC MECHANISMS. Vinik AI, Deppe WM *S Afr Med J* 74:518-24, 31 Mar 74 (Eng)

ADULT; EPINEPHRINE (diagnostic use); FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON (diagnostic use); GLUCOSE (metabolism, therapeutic use); HEPATOMA (metabolism, complications); HYDROCORTISONE (blood); HYPOGLYCEMIA (blood, drug therapy, metabolism, etiology); INSULIN (blood, metabolism); LACTATES (blood); LIVER FUNCTION TESTS; LIVER NEOPLASMS (metabolism, complications); PHOSPHATES (blood); PYRUVATES (blood); SOMATOTROPIN (blood); TOLBUTAMIDE (diagnostic use).

### Vinokurova KA

[CHANGES IN THE PEPTIDE MAPS AND OPTICAL ROTATORY DISPERSION OF SERUM ALBUMIN IN TUBERCULOSIS AND ITS COMBINATION WITH DIABETES] Vinokurova KA *Vopr Med Khim* 19:84-6, Jan-Feb 73 (Rus)

ADOLESCENCE; ADULT; AGAR; AGED; CHROMATOGRAPHY; DIABETES MELLITUS

(complications, blood); ELECTROPHORESIS; ELECTROPHORESIS, PAPER; GELS; MIDDLE AGE; OPTICAL ROTATORY DISPERSION; PEPTIDES (blood); POLAROGRAPHY; SERUM ALBUMIN (analysis); SPECTRUM ANALYSIS; TUBERCULOSIS (blood, complications).

### Vinten J

LIPONESS AND INSULIN SENSITIVITY OF SINGLE FAT CELLS. Gliemann J, Vinten J *J Physiol (Lond)* 236:499-516, Feb 74 (Eng)

### Visek WJ

EFFECTS OF MODIFYING UREA HYDROLYSIS IN ACUTE NEPHRECTOMY ON SURVIVAL, AMMONIA IN CECAL CONTENTS AND BLOOD METABOLITES. Prior RL, Visek WJ *Proc Soc Exp Biol Med* 144:184-8, 1 Oct 73 (Eng)

### Vivanco F

[INSULIN SECRETION DURING THE EARLY STAGES OF DIABETES (RESULTS OF OUR EXPERIENCE)] Serrano-Rios M, Ramos F, Vivanco F, Rodriguez-Minon JL *Cah Med* 14:913-21, 30 Oct 73 (Fre)

### Volpe JJ

REGULATION OF MAMMALIAN FATTY-ACID SYNTHETASE. THE ROLES OF CARBOHYDRATE AND INSULIN. Volpe JJ, Vagelos PR *Proc Natl Acad Sci USA* 71:889-93, Mar 74 (Eng)

ADIPOSE TISSUE (enzymology); BRAIN (enzymology); DIABETES MELLITUS (chemically induced, enzymology); DOSE-RESPONSE RELATIONSHIP, DRUG; ENZYME ACTIVATION; FATTY ACID SYNTHETASE COMPLEX (analysis, metabolism); FRUCTOSE (pharmacodynamics); GLUCOSE (pharmacodynamics); HEXOSES (pharmacodynamics); IMMUNOASSAY; INSULIN (pharmacodynamics); LIVER (enzymology); PRECIPITIN TESTS; RATS; STIMULATION, CHEMICAL; STREPTOZOTOCIN.

### Vorbeck ML

EVALUATION OF HEPATIC MITOCHONDRIAL FUNCTION IN THE SPONTANEOUSLY DIABETIC MYSTROMYS ALBICAUDATUS. Schmidt G, Martin AP, Stuhlman RA, Townsend JF, Lucas FV, Vorbeck ML *Lab Invest* 30:451-7, Apr 74 (Eng)

### Voss RC

SOME EFFECTS OF FEEDING YOUNG STEERS ON A DIET DEFICIENT IN BOTH COBALT AND COPPER. MacPherson A, Moon FE, Voss RC *Br Vet J* 129:414-26, Sep-Oct 73 (Eng)

### Vracko R

MANIFESTATIONS OF DIABETES MELLITUS--THEIR POSSIBLE RELATIONSHIPS TO AN UNDERLYING CELL DEFECT. A REVIEW. Vracko R, Benditt EP *Am J Pathol* 75:204-24, Apr 74 (Eng) [67]

ADULT; AGE FACTORS; AGED; AGING; ARTERIOSCLEROSIS (complications); BASEMENT MEMBRANE (pathology); CAPILLARIES (pathology); CELL DIVISION; CELL SURVIVAL; DIABETES MELLITUS (complications, pathology, physiopathology, familial & genetic); DIABETIC ANGIOPATHIES (pathology); DIABETIC NEUROPATHIES (pathology); DIABETIC RETINOPATHY (pathology); FIBROBLASTS; HYPERGLYCEMIA; INSULIN (secretion); ISLANDS OF LANGERHANS (pathology, physiopathology, secretion); MICROSCOPY, ELECTRON; MIDDLE AGE; MUSCLES (blood supply); PHENOTYPE; VIRUS DISEASES (complications).

### Vroege C

DIABETES MELLITUS WITH PANCREATIC ATROPHY IN ANTELOPES IN THE AMSTER-

DAM ZOO. Gaag I van der, Borst GH, Vroege C *Zentralbl Veterinärmed [A]* 20:843-54, Dec 73 (Eng)

### Wagner HP

[BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD] Kaser H, Wagner HP, Zuppinge K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)

### Wagner W

MORTALITY OF DIABETIC PATIENTS TREATED SURGICALLY FOR LOWER LIMB INFECTION AND OR GANGRENE. Kahn O, Wagner W, Bessman AN *Diabetes* 23:287-92, Apr 74 (Eng)

### Wahle KW

THE METABOLISM OF THE SMALL INTESTINE: DIETARY INDUCTION, SUBCELLULAR DISTRIBUTION AND ISOENZYME PATTERN OF SOME KEY ENZYMES OF GLUCOSE METABOLISM IN OVINE JEJUNAL MUCOSA. Wahle KW *Comp Biochem Physiol [B]* 46:727-39, Dec 73 (Eng)

ALCOHOL OXIDOREDUCTASES (metabolism); CELL-FREE SYSTEM; DIET; ENZYME INDUCTION; GLUCOKINASE (metabolism); GLUCOSE; GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); GLYCOLYSIS; HEXOKINASE (metabolism); INTESTINAL MUCOSA (cytology, drug effects, enzymology); ISOENZYMES (metabolism); JEJUNUM (cytology, drug effects, enzymology); KINETICS; PHOSPHOGLUCONATE DEHYDROGENASE (metabolism, pharmacodynamics); PLANTS; SHEEP; SOLUBILITY; SPECTROPHOTOMETRY, ULTRAVIOLET; SUBCELLULAR FRACTIONS (enzymology); SURFACE-ACTIVE AGENTS; TIME FACTORS.

### Waldeck F

[GASTROINTESTINAL HORMONES AND LOWER ESOPHAGEAL SPHINCTER] Siewert R, Waldeck F, Peiper HJ *Chirurg* 45:28-33, Jan 74 (Ger)

[EFFECT OF POLYPEPTIDE HORMONES ON THE LOWER ESOPHAGEAL SPHINCTER IN ACHALASIA] Siewert R, Fruh E, Waldeck F, Schmidt H *Z Gastroenterol* 12:117-20, Mar 74 (Ger)

### Waldhausl W

[THE EFFECT OF GASTRIN ON INSULIN SECRETION AND GLUCOSE ELIMINATION IN MAN (AUTHORS TRANSL.)] Pointner H, Flegel U, Waldhausl W *Wien Klin Wochenschr* 86:244-6, 3 May 74 (Ger)

### Walsh CT

VINYLGLYCOLIC ACID. AN INACTIVATOR OF THE PHOSPHOENOLPYRUVATE-PHOSPHATE TRANSFERASE SYSTEM IN ESCHERICHIA COLI. Walsh CT, Kaback HR *J Biol Chem* 248:5456-62, 10 Aug 73 (Eng)

BIOLOGICAL TRANSPORT, ACTIVE; CARBON RADIOISOTOPES; CELL MEMBRANE (drug effects, enzymology); ESCHERICHIA COLI (cytology, drug effects, enzymology, metabolism); FRUCTOSE (metabolism); GLUCOSE (metabolism); GLYCOLATES (pharmacodynamics); GLYCOSIDES (metabolism); KINETICS; LACTOSE (metabolism); MANNOSE (metabolism); MODELS, BIOLOGICAL; MUTATION; ORGANIDS (metabolism); PHOSPHOENOLPYRUVATE; PHOSPHOTRANSFERASES (antagonists & inhibitors); PROLINE (metabolism); SUCINATES (metabolism); TIME FACTORS; VINYL COMPOUNDS (pharmacodynamics).

### Waltregny A

[CEREBRAL INVOLVEMENT IN HYPOGLYCEMIA: EXPERIMENTAL NEUROPHYSIOLOGICAL BASES] Waltregny A *Rev Med Liege* 29:222-3, 15 Apr 74 (Fre)

BRAIN (physiopathology); CATS; CONVULSIONS (etiology); ELECTROENCEPHALOGRAPHY; HYPOGLYCEMIA (physiopathology); SLEEP.

**Wardlaw S**

DESIGN AND OPERATION OF A SIGNAL COMPARATOR TO INCREASE EFFICIENCY OF CONTINUOUS-FLOW ANALYZERS. Neeley WE, Wardlaw S, Swinnen ME *Clin Chem* 20:78-80, 1974 (Eng)

**Waterman R**

**1** CARBON 14-LABELED PALMITIC ACID METABOLISM IN FASTED, LACTATING GOATS FOLLOWING NICOTINIC ACID ADMINISTRATION. Waterman R, Schultz LH *J Dairy Sci* 56:1569-74, Dec 73 (Eng)

ADMINISTRATION, ORAL; BLOOD SUGAR (analysis); BLOOD UREA NITROGEN; CARBON RADIOISOTOPES; CHOLESTEROL (blood); DEPRESSION, CHEMICAL; FASTING; FATTY ACIDS, NONESTERIFIED (blood); GLYCERIDES (blood); GOATS (metabolism); KETONES (blood); LACTATION; NICOTINIC ACID (administration & dosage, pharmacodynamics); PALMITIC ACID (administration & dosage, metabolism); PHOSPHOLIPIDS (blood); TRIGLYCERIDES (blood).

**Watkins PJ**

LONG-TERM DIABETES. A CLINICAL STUDY OF 92 PATIENTS AFTER 40 YEARS. Oakley WG, Pyke DA, Tattersall RB, Watkins PJ *Q J Med* 43:145-56, Jan 74 (Eng)

**Watson HC**

STRUCTURE OF YEAST PHOSPHOGLYCERATE KINASE. Bryant TN, Watson HC, Wendell PL *Nature* 247:14-7, 4 Jan 74 (Eng)

**Watts DC**

PROPERTIES AND MECHANISM OF ACTION OF CREATINE KINASE FROM OX SMOOTH MUSCLE. ANION EFFECTS COMPARED WITH PYRUVATE KINASE. Focant B, Watts DC *Biochem J* 135:265-76, Oct 73 (Eng)

**Waygood EB**

COOPERATIVE INTERACTIONS IN THE BINDING OF ALLOSTERIC EFFECTORS TO PHOSPHOENOLPYRUVATE CARBOXYLASE. Smando R, Waygood EB, Sanwal BD *J Biol Chem* 249:182-90, 10 Jan 74 (Eng)

THE CONTROL OF PYRUVATE KINASES OF ESCHERICHIA COLI. I. PHYSICOCHEMICAL AND REGULATORY PROPERTIES OF THE ENZYME ACTIVATED BY FRUCTOSE 1,6-DIPHOSPHATE. Waygood EB, Sanwal BD *J Biol Chem* 249:265-74, 10 Jan 74 (Eng)

AMINO ACID SEQUENCE; AMINO ACIDS (analysis); CARBOHYDRATES (analysis); CHROMATOGRAPHY, DEAE-CELLULOSE; CHROMATOGRAPHY, GAS; CHROMATOGRAPHY, ION EXCHANGE; COENZYME A (pharmacodynamics); ELECTROPHORESIS, POLYACRYLAMIDE GEL; ENZYME ACTIVATION; ESCHERICHIA COLI (drug effects, enzymology); FRUCTOSEPHOSPHATES (pharmacodynamics); GEL FILTRATION; GUANINE NUCLEOTIDES (pharmacodynamics); GUANOSINE TRIPHOSPHATE (pharmacodynamics); HEXOSEPHOSPHATES (pharmacodynamics); KINETICS; MACROMOLECULAR SYSTEMS; MAGNESIUM (pharmacodynamics); MANGANESE (pharmacodynamics); MOLECULAR WEIGHT; PYRUVATE KINASE (antagonists & inhibitors, isolation & purification, metabolism); SPECTROPHOTOMETRY, ULTRAVIOLET; ULTRACENTRIFUGATION.

**Weathersbee CJ**

REGULATION OF MALTODEXTRIN PHOSPHORYLASE SYNTHESIS IN ESCHERICHIA COLI BY CYCLIC ADENOSINE 3, 5-MONOPHOSPHATE AND GLUCOSE. Chao J, Weathersbee CJ *J Bacteriol* 117:181-8, Jan 74 (Eng)

**Weber MA**

EFFECTS OF BETA ADRENERGIC BLOCKING AGENTS ON PLASMA RENIN ACTIVITY IN THE CONSCIOUS RABBIT. Weber MA, Thornell IR, Stokes GS *J Pharmacol Exp Ther* 188:234-40, Jan 74 (Eng)

ADRENERGIC BETA RECEPTOR BLOCKADERS (pharmacodynamics); BLOOD PRESSURE (drug effects); BLOOD SUGAR (analysis); ISOPROTERENOL (antagonists & inhibitors, pharmacodynamics); OXPRENOLOL (pharmacodynamics); PHOTOMETRY; PINDOLOL (pharmacodynamics); POTASSIUM (blood); PROPANOLOL (blood, pharmacodynamics); RABBITS; RADIOIMMUNOASSAY; RENIN (blood); SODIUM (blood); TIME FACTORS.

**Webster PD 3d**

PANCREATIC CARCINOMA. A REVIEW OF ETIOLOGIC CONSIDERATIONS. Mainz D, Webster PD 3d *Am J Dig Dis* 19:459-64, May 74 (Eng)

**Wechsler B**

[MANAGEMENT OF DIABETES MELLITUS] Wechsler B *Nouv Presse Med* 3:531-4, 2 Mar 74 (Fre)

ADULT; AGED; BIGUANIDES (therapeutic use); BODY WEIGHT; DIABETES MELLITUS (therapy); DIET THERAPY; HYPERGLYCEMIA (drug therapy, etiology); INSULIN (therapeutic use); MIDDLE AGE; OBESITY IN DIABETES (drug therapy); SULFONAMIDES (therapeutic use); VITAMINS (therapeutic use).

**Weil R 3d**

VASCULARIZED TRANSPLANTATION OF THE RAT PANCREAS WITHOUT DUODENUM. Nozawa M, Weil R 3d, McIntosh R, Reemtsma K *Transplantation* 17:137-40, 1 Jan 74 (Eng)

**Weiser PC**

CHANGES IN HEPATIC FATTY ACID SYNTHESIS FOLLOWING GLUCAGON INJECTIONS IN VIVO. Klain GJ, Weiser PC *Biochem Biophys Res Commun* 55:76-83, 1 Nov 73 (Eng)

**Wendell PL**

STRUCTURE OF YEAST PHOSPHOGLYCERATE KINASE. Bryant TN, Watson HC, Wendell PL *Nature* 247:14-7, 4 Jan 74 (Eng)

**Werner C**

[FULLY MATURE PLACENTA AT FIFTEEN WEEKS GESTATION (EARLIEST OBSERVATION OF PREMATURE MATURATION OF THE PLACENTA) (AUTHORS TRANSL)] Werner C, Bender HG *Geburtshilfe Frauenheilkd* 34:104-8, Feb 74 (Ger)

ABORTION; ADULT; FETAL DEATH; FETUS (growth & development); GESTATIONAL AGE; LABOR, PREMATURE (pathology); PLACENTA (pathology); PLACENTA DISORDERS (pathology); PREGNANCY; PREGNANCY IN DIABETES.

**West L**

CALCIUM DEPENDENCY OF GLUCAGON SECRETION FROM THE IN VITRO PERFUSED RAT PANCREAS. Gerich JE, Frankel BJ, Fanska R, West L, Forsham PH, Grodsky GM *Endocrinology* 94:1381-5, May 74 (Eng)

**Westgard JO**

EVALUATION OF THE ADAPTATION OF THE GLUCOSE OXIDASE-PEROXIDASE-3-METHYL-2-BENZOTHIASZOLINONE HYDRAZONE-N,N-DIMETHYLANILINE PROCEDURE TO THE TECHNICON SMA 12-60, AND COMPARISON WITH OTHER AUTOMATED METHODS FOR GLUCOSE. Carey RN, Feldbrugge D, Westgard JO *Clin Chem* 20:595-602, May 74 (Eng)

**Weyant JR**

GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS. Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL *J Anim Sci* 37:1419-27, Dec 73 (Eng)

**Weyman AE**

ACCIDENTAL HYPOTHERMIA IN AN ALCOHOLIC POPULATION. Weyman AE, Greenbaum DM, Grace WJ *Am J Med* 56:13-21, Jan 74 (Eng)

ADULT; AGE FACTORS; AGED; ALCOHOLISM (complications); AMYLASE (blood); ARRHYTHMIA (etiology); BLOOD PRESSURE; BLOOD SUGAR; COLD; ELECTROCARDIOGRAPHY; HEMATOCRIT; HYPOTHERMIA (mortality, therapy, complications); LEUKOCYTE COUNT; MIDDLE AGE; PANCREATITIS (complications); POTASSIUM (blood); PULSE; RESPIRATION; SEX FACTORS; SODIUM (blood).

**White MD**

PYRUVATE CARBOXYLASE. SPECIFIC INACTIVATION OF ACETYL COENZYME A-DEPENDENT OXYLACETATE SYNTHESIS DURING MODIFICATION OF THE ENZYME BY TRINITROBENZENE SULFONATE. Scrutton MC, White MD *J Biol Chem* 248:5541-4, 10 Aug 73 (Eng)

**Whitehouse FW**

TWO MINUTES WITH DIABETES. Whitehouse FW *Med Times* 102:85-6, Apr 74 (Eng)

ADULT; DIABETIC RETINOPATHY (therapy, diagnosis); INSULIN (therapeutic use); LIGHT COAGULATION; RETINAL HEMORRHAGE (diagnosis, surgery).

**Whitney G**

EFFECTS OF GENOTYPE, SUGAR, AND CONCENTRATION ON SUGAR PREFERENCE OF LABORATORY MICE (MUS MUSCULUS). Stockton MD, Whitney G *J Comp Physiol Psychol* 86:62-8, Jan 74 (Eng)

**Whittaker JR**

URETERAL CONDUIT IN PANCREATIC TRANSPLANTATION. Whittaker JR, Veith FJ, Gold M, Freed S, Gliedman ML *Invest Urol* 11:315-8, Jan 74 (Eng)

AMYLASE (blood, urine); BLOOD SUGAR (analysis); BLOOD UREA NITROGEN; DOGS; METHODS; PANCREAS (transplantation); PANCREATIC DUCTS (surgery); TRANSPLANTATION, HOMOLOGOUS; URINARY CATHETERIZATION; URINARY DIVERSION; UROGRAPHY.

**Whitwam JG**

MANAGEMENT OF PATIENTS FOR YTTRIUM-90 IMPLANTATION OF THE PITUITARY GLAND. Whitwam JG, Tunbridge WM, Fuller WJ *Br J Anaesth* 45:1121-9, Nov 73 (Eng)

ACROMEGALY (radiotherapy); ANESTHESIA, GENERAL; CEREBROSPINAL RHINORRHEA (etiology); CORTICOSTERONE (pharmacodynamics); CUSHINGS SYNDROME (radiotherapy); DIABETIC RETINOPATHY (radiotherapy); HYDROCORTISONE (analysis); INTUBATION, INTRATRACHEAL; 17-

## Diabetes Literature—Author Index

### Wicks WD

KETOSTEROIDS (urine); NASOPHARYNX; PITUITARY GLAND (physiopathology, radiography); PITUITARY GLAND IRRADIATION; PNEUMOENCEPHALOGRAPHY; POSTOPERATIVE CARE; POSTOPERATIVE COMPLICATIONS; PREOPERATIVE CARE; RADIOISOTOPES (therapeutic use); WATER-ELECTROLYTE BALANCE; YTTRIUM ISOTOPES (therapeutic use).

### Wicks WD

STIMULATION OF ENZYME SYNTHESIS AND INHIBITION OF DNA SYNTHESIS AND GROWTH RATE BY CYCLIC AMP DERIVATIVES IN CULTURED HEPATOMA CELLS. Wicks WD, Wijk R van, McKibbin JB *Adv Enzyme Regul* 11:117-35, 1973 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); CELL LINE; DACTINOMYCIN (pharmacodynamics); DEX-AMETHASONE (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); DNA, NEOPLASM (biosynthesis); GEL DIFFUSION TESTS; GROWTH (drug effects); HEPATOMA (metabolism, enzymology); INSULIN (pharmacodynamics); KINETICS; LIVER (metabolism); MITOSIS (drug effects); PHOSPHOENOLPYRUVATE CARBOXYKINASE (biosynthesis); RATS; TISSUE CULTURE; TYROSINE AMINOTRANSFERASE (biosynthesis).

### Widdowson GM

DETERMINATION OF GLUCOSE WITH A RESEARCH MODEL AMINCO ROTOCHYM BY THE HEXOKINASE REACTION. Hasson W, Penton JR, Widdowson GM *Clin Chem* 20:15-8, 1974 (Eng)

### Wieser PB

EFFECTS OF ADRENOCROME AND SODIUM PERBORATE ON ISOLATED FAT CELL METABOLISM. Wieser PB, Fain JN *Biochem Pharmacol* 22:3209-16, 15 Dec 73 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (cytology, drug effects); ADRENOCROME (pharmacodynamics); BORATES (pharmacodynamics); CARBON RADIOISOTOPES; CATTLE; DOSE-RESPONSE RELATIONSHIP, DRUG; EPINEPHRINE (metabolism); FLUORIDES (pharmacodynamics); GLUCOSE (metabolism); OXIDATION-REDUCTION; PHOSPHODIESTERASES (antagonists & inhibitors); PHOSPHORUS RADIOISOTOPES; PROTEIN KINASE (metabolism); RATS; SERUM ALBUMIN, BOVINE (pharmacodynamics); STIMULATION, CHEMICAL; THEOPHYLLINE (pharmacodynamics); TRYPSIN (pharmacodynamics); TRYPSIN INHIBITORS (pharmacodynamics).

### Wijk R van

STIMULATION OF ENZYME SYNTHESIS AND INHIBITION OF DNA SYNTHESIS AND GROWTH RATE BY CYCLIC AMP DERIVATIVES IN CULTURED HEPATOMA CELLS. Wicks WD, Wijk R van, McKibbin JB *Adv Enzyme Regul* 11:117-35, 1973 (Eng)

### Wijn JF de

[NUTRITIONAL DIRECTIONS FOR THE WHOLE POPULATION] Wijn JF de *Ned Tijdschr Geneesk* 117:1969-75, 29 Dec 73 (Dut) ARTERIOSCLEROSIS (prevention & control); BLOOD SUGAR; CHOLESTEROL (blood); DIABETES MELLITUS (complications); DIETARY CARBOHYDRATES; NUTRITION; OBESITY (prevention & control); PUBLIC HEALTH.

### Wilcox CS

PROCEEDINGS: L-DOPA AS A TEST OF ANTERIOR PITUITARY FUNCTION. Millar JG, Kurtz A, Aminoff MJ, Wilcox CS, Nabarro JD *J Endocrinol* 59:XXV-XXVI, Nov 73 (Eng)

### Wilczynski J

[EFFECT OF GROWTH HORMONE (STH) ON THE DYNAMICS OF ANTIBODY FORMATION IN ANIMALS IMMUNIZED WITH RS VIRUS] Wilczynski J, Sadowski W *Med Dosw Mikrobiol* 25:327-33, 1973 (Pol)

ANTIBODIES, VIRAL (analysis); ANTIBODY FORMATION (drug effects); ANTIGENS, VIRAL (administration & dosage); GUINEA PIGS (immunology); RABBITS (immunology); RESPIRATORY SYNCYTIAL VIRUS (immunology); SOMATOTROPIN (pharmacodynamics); TIME FACTORS; VIRUS CULTIVATION.

### Wille G

[DIAGNOSTIC PROCEDURE IN AMENORRHEA] Kremling H, Wille G *Med Klin* 69:287-8, 15 Feb 74 (Ger)

### Wille LE

CHANGES IN SERUM PRE-BETA-LIPOPROTEIN FOLLOWING THE FEEDING OF SUCROSE. A PRELIMINARY TRIAL IN PHYSICALLY ACTIVE AND INACTIVE YOUNG MALE STUDENTS. Wille LE, Vellar OD, Hermansen L *J Oslo City Hosp* 23:141-56, Sep 73 (Eng)

ADMINISTRATION, ORAL; ADULT; BLOOD PROTEIN ELECTROPHORESIS; BLOOD SUGAR (metabolism); CHOLESTEROL (blood); DEPRESSION, CHEMICAL; EXERTION; FATTY ACIDS, NONESTERIFIED (blood); LIPOPROTEINS (blood); LIPOPROTEINS, HDL (blood); LIPOPROTEINS, VLDL (blood); OXYGEN CONSUMPTION; PHYSICAL FITNESS; POLYSACCHARIDES; STIMULATION, CHEMICAL; SUCROSE (administration & dosage, pharmacodynamics); TIME FACTORS; TRIGLYCERIDES (blood).

### Williams HH

RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP. Bergman EN, Kaufman CF, Wolff JE, Williams HH *Am J Physiol* 226:833-7, Apr 74 (Eng)

### Williams JA

EFFECT OF SELECTIVE AND PROXIMAL GASTRIC VAGOTOMY ON SERUM GASTRIN. Jaffe BM, Clendinnen BG, Clarke RJ, Williams JA *Gastroenterology* 66:944-53, May 74 (Eng)

### Williams JW

PROCEEDINGS: GROWTH HORMONE SECRETION DURING SLEEP IN SHORT CHILDREN: A CONTINUOUS SAMPLING STUDY. Howse PM, Rayner PH, Williams JW, Rudd BT *Arch Dis Child* 49:246, Mar 74 (Eng)

### Williamson DH

TISSUE-SPECIFIC DIRECTION OF BLOOD METABOLITES. Williamson DH *Symp Soc Exp Biol* 27:283-98, 1973 (Eng) [31] ADIPOSE TISSUE (enzymology); AMINO ACIDS (blood); BIOLOGICAL TRANSPORT, ACTIVE; BLOOD (metabolism); BLOOD SUGAR (metabolism); BRAIN (enzymology); COENZYME A SYNTHETASES (metabolism); GLUCONEOGENESIS; HYDROXYBUTYRATE DEHYDROGENASE (analysis); KETONE BODIES (metabolism); KINETICS; LACTATION; LIPIDS (blood); LIPOPROTEIN LIPASE (analysis); MAMMAE (enzymology); PIGEONS; RATS; SULFOTRANSFERASES (metabolism); TRIGLYCERIDES (blood).

### Wilmore DW

ANABOLIC EFFECTS OF HUMAN GROWTH HORMONE AND HIGH CALORIC FEEDINGS FOLLOWING THERMAL INJURY. Wilmore DW, Moylan JA Jr, Bristow BF, Mason AD Jr, Pruitt BA Jr *Surg Gynecol Obstet* 138:875-84, Jun 74 (Eng)

ADOLESCENCE; ADULT; BLOOD CHEMICAL ANALYSIS; BODY WEIGHT; BURNS (physiopathology, therapy, metabolism); DIET THERAPY; EVALUATION STUDIES; GLUCOSE TOLERANCE TEST; INJECTIONS, INTRAMUSCULAR; INSULIN (secretion); NITROGEN (metabolism); POTASSIUM (metabolism, urine); PROTEINS (metabolism); SODIUM (urine); SOMATOTROPIN (administration & dosage, therapeutic use); WATER-ELECTROLYTE BALANCE.

### Wilson DB

THE REGULATION AND PROPERTIES OF THE GALACTOSE TRANSPORT SYSTEM IN *ESCHERICHIA COLI* K12. Wilson DB *J Biol Chem* 249:553-8, 25 Jan 74 (Eng)

BACTERIAL PROTEINS (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; CARBON RADIOISOTOPES; CARRIER PROTEINS (metabolism); CHROMOSOMES; CULTURE MEDIA; *ESCHERICHIA COLI* (drug effects, enzymology, growth & development, metabolism); FUCOSE (metabolism); GALACTOSE (pharmacodynamics, metabolism); GENES, REGULATORY; GENOTYPE; KINETICS; METHYLGLYCOSIDES (metabolism); MODELS, CHEMICAL; OPERON; PERMEASES (metabolism); PROTEIN BINDING; SPECIES SPECIFICITY.

### Winne D

THE INFLUENCE OF BLOOD FLOW ON THE ABSORPTION OF 3-O-METHYLGLUCOSE FROM THE JEJUNUM OF THE RAT. Lichtenstein B, Winne D *Naunyn-Schmiedeberg Arch Pharmacol* 279:153-72, 14 Sep 73 (Eng)

### Wiwatowski T

THE PRESENCE OF A FACTOR TOXIC TO PANCREATIC BETA CELLS IN SOME COLLAGENASE PREPARATIONS. Moskalewski S, Sochanska KR, Wiwatowski T *Bull Acad Pol Sci [Biol]* 22:127-30, 1974 (Eng)

### Wohlzogen FX

[A SUGGESTION FOR THE ORDERING OF CLINICAL CHEMICAL LABORATORIES ACCORDING TO THE RELIABILITY OF THEIR ANALYTICAL RESULTS (AUTHORS TRANSL)] Bauer P, Havelec L, Kaiser E, Scheiber V, Wohlzogen FX *Z Klin Chem Klin Biochem* 11:174-5, Apr 73 (Ger)

### Wolf A

[LARGE INTRAVENOUS DOSES OF CORTISONE IN RENAL TRANSPLANTATION] Stummvoll HK, Pinggera WF, Oppolzer R, Singer F, Wolf A *Wien Med Wochenschr* 124:232-5, Apr 74 (Ger)

### Wolff JE

RENAL METABOLISM OF AMINO ACIDS AND AMMONIA IN FED AND FASTED PREGNANT SHEEP. Bergman EN, Kaufman CF, Wolff JE, Williams HH *Am J Physiol* 226:833-7, Apr 74 (Eng)

### Woods JE

DIABETIC NEPHROPATHY AND RENAL TRANSPLANTATION. Palumbo PJ, Woods JE, Johnson WJ *Minn Med* 57:356-60, May 74 (Eng)

### Wrenn TR

GROWTH, PLASMA LIPIDS AND FATTY ACID COMPOSITION OF VEAL CALVES FED POLYUNSATURATED FATS. Wrenn TR, Weyant JR, Gordon CH, Goering HK, Dryden LP, Bitman J, Edmondson LF, King RL *J Anim Sci* 37:1419-27, Dec 73 (Eng)

ADIPOSE TISSUE (analysis); ANIMAL FEED; CASEIN (metabolism); CATTLE (growth & development, metabolism); CHOLESTEROL (blood); FATS, UNSATURATED (metabolism);

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# Wright FA

A DOSAGE AID FOR PATIENTS WITH IMPAIRED VISION. Wright FA, Vallotton WW, Hargest TS *Trans Am Acad Ophthalmol Otolaryngol* 78:OP237-8, Mar-Apr 74 (Eng)

DIABETIC RETINOPATHY (drug therapy); INJECTIONS (instrumentation); INSULIN (therapeutic use, administration & dosage); NEEDLES; SYRINGES.

# Wright PH

INHIBITION BY HALOTHANE OF GLUCOSE-STIMULATED INSULIN SECRETION IN ISOLATED PIECES OF RAT PANCREAS. Gingerich R, Wright PH, Paradise RR *Anesthesiology* 40:449-52, May 74 (Eng)

# Yanagishima N

EFFECT OF CYCLIC AMP, THEOPHYLLINE AND CAFFEINE ON THE GLUCOSE REPRESSION OF SPOKULATION IN SACCHAROMYCES CEREVISIAE. Tsuboi M, Yanagishima N *Arch Mikrobiol* 93:1-12, 4 Oct 73 (Eng)

# Yang MG

URINARY AND FECAL EXCRETION AND INCORPORATION OF 14C-ESTRADIOL IN FAT DEPOSITS OF OBESE AND LEAN RATS. Innami S, Yang MG, Mickelsen O *Proc Soc Exp Biol Med* 144:220-4, 1 Oct 73 (Eng)

# Yates FE

FLUCTUATIONS OF PLASMA GLUCOSE AND INSULIN IN CONSCIOUS DOGS RECEIVING GLUCOSE INFUSIONS. Ookhtens M, Marsh DJ, Smith SW, Bergman RN, Yates FE *Am J Physiol* 226:910-9, Apr 74 (Eng)

# Yen SS

ACUTE SUPPRESSION OF INSULIN AND GLUCOSE LEVELS BY SYNTHETIC SOMATOSTATIN IN NORMAL HUMAN SUBJECTS. DeVane GW, Siler TM, Yen SS *J Clin Endocrinol Metab* 38:913-5, May 74 (Eng)

# Yeomans L

EFFECTS OF GROWTH-HORMONE RELEASE-INHIBITING HORMONE ON CIRCULATING GLUCAGON, INSULIN, AND GROWTH HORMONE IN NORMAL, DIABETIC, ACROMEGALIC, AND HYPOPHYSECTOMIZED PATIENTS. Mortimer CH, Tunbridge WM, Carr D, Yeomans L, Lind T, Coy DH, Bloom SR, Kastin A, Mallinson CN, Besser GM, Schally AV, Hall R *Lancet* 1:697-701, 20 Apr 74 (Eng)

# Yoshinaga T

[PHOSPHOENOLPYRUVATE CARBOXYLASE: MECHANISM FOR ALLOSTERIC REGULATION BY MULTIPLE EFFECTORS (AUTHORS TRANSL.)] Katsuki H, Kzui K, Teraoka H, Yoshinaga T, Morikawa M *J Jap Biochem Soc* 45:781-803, Sep 73 (Jap) [95]

# Young JD

WERNERS SYNDROME: METABOLIC OBSERVATIONS. Alberti KG, Young JD, Hockaday TD *Proc R Soc Med* 67:36-8, Jan 74 (Eng)

# Yudilevich DL

INFLUENCE OF MAXIMAL VASODILATION ON GLUCOSE AND SODIUM BLOOD-TISSUE TRANSPORT IN CANINE HEART. Duran WN, Alvarez OA, Yudilevich DL *Microvasc Res* 6:347-59, Nov 73 (Eng)

# Zaichik VE

[INTERPRETATION OF THE RESULTS OF HISTOCHEMICAL STUDY OF CARBOHYDRATE METABOLISM IN THE THYROID GLAND] Tkachev AV, Vazilo VE, Zaichik VE *Probl Endokrinol (Mosk)* 19:104-6, Nov-Dec 73 (Rus)

# Zakirichnaia GA

[OXYGEN AND GLUCOSE CONSUMPTION BY AORTIC TISSUE DURING DIETARY ADMINISTRATION OF CHOLESTEROL AND NERVOUS SYSTEM STRESS] Khomulo PS, Mytareva LV, Zakirichnaia GA *Kardiologia* 13:116-20, Jan 73 (Rus)

# Zanini A

STUDIES ON IN VITRO SYNTHESIS AND SECRETION OF GROWTH HORMONE AND PROLACTIN. II. EVIDENCE AGAINST THE EXISTENCE OF PRECURSOR MOLECULES. Zanini A, Giannattasio G, Meldolesi J *Endocrinology* 91:104-11, Jan 74 (Eng)

CARBON RADIOISOTOPES; CELL FRACTIONATION; CYTOCHROME OXIDASE (analysis); ELECTROPHORESIS; ELECTROPHORESIS, POLYACRYLAMIDE GEL; GLUCOSEPHOSPHATASE (analysis); KINETICS; LEUCINE (metabolism); MICROSOMES (enzymology, metabolism); NUCLEOTIDASES (analysis); PITUITARY GLAND (cytology, enzymology, metabolism); PROLACTIN (biosynthesis); RATS; SOMATOTROPIN (biosynthesis).

# Zara M

[NEW ASPECTS OF THE TREATMENT OF DIABETIC RETINOPATHY] Regnault F, Barre Y, Rietzler X, Fouquier E, Aubert P, Molinier A, Zara M *Therapeutique* 49:505-7, Sep-Oct 73 (Fre)

# Zaripov SM

[RHEOOPHTHALMOGRAPHY IN DIABETES MELLITUS] Beigel'man NB, Zaripov SM *Vestn Oftalmol* 6:55-7, May-Jun 73 (Rus)

# Zborowska-Sluis DT

CARBON DIOXIDE MEDIATED GLYCOLYSIS II. Zborowska-Sluis DT, Klassen GA *Respir Physiol* 19:162-75, Nov 73 (Eng)

CARBON DIOXIDE (blood); DIPHOSPHOGLYCERIC ACIDS (metabolism); DOGS; ERYTHROCYTES (metabolism); GLUCOSE (metabolism); GLYCOLYSIS; HYDROGEN-ION CONCENTRATION; IODOACETATES (pharmacodynamics); LACTATES (biosynthesis); PYRUVATES (metabolism); TIME FACTORS.

# Zbytniewski Z

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# Zenser TV

EFFECTS OF PROSTAGLANDINS ON HEPATIC ADENYLATE CYCLASE ACTIVITY AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE CONTENT. Zenser TV, DeRubertis FR, Curnow RT *Endocrinology* 94:1404-10, May 74 (Eng)

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# Zerner B

ON THE SPECIFICITY AND PH DEPENDENCE OF FICIN-CATALYZED HYDROLYSES. SOME COMPARISONS WITH BROMELAIN SPECIFICITY. Kortt AA, Hinds JA, Zerner B *Biochemistry* 13:2029-37, 7 May 74 (Eng)

# Ziai M

AN UNUSUAL CAUSE OF FAILURE TO THRIVE. Ziai M, Ferrier PE *Clin Pediatr (Phila)* 13:379-80, Apr 74 (Eng)

ALBUMINURIA (etiology); ASCORBIC ACID (therapeutic use); BLOOD SUGAR (analysis); CARBOHYDRATE METABOLISM, INBORN ERRORS (therapy, complications); CONVULSIONS (etiology); DIET THERAPY; FECES (analysis); FRUCTOSE (blood, therapeutic use, metabolism); GLUCOSE TOLERANCE TEST; INFANT; INFANT NUTRITION DISORDERS (therapy, etiology); SUCROSE (metabolism, therapeutic use); VITAMIN D (therapeutic use); VOMITING (etiology).

# Ziprian H

THE INFLUENCE OF ACUTE PSYCHIC STRESS SITUATIONS ON BIOCHEMICAL AND VEGETATIVE PARAMETERS OF ESSENTIAL HYPERTENSIVES AT THE EARLY STAGE OF THE DISEASE. Baumann R, Ziprian H, Godicke W, Hartrodt W, Naumann E, Lauter J *Psychother Psychosom* 22:131-40, 1973 (Eng)

# Zuber H

ISOLATION AND CHARACTERIZATION OF A THERMOPHILIC GLUCOKINASE FROM BACILLUS STEAROTHERMOPHILUS. Hengartner H, Zuber H *Fests Lett* 37:212-6, 1 Dec 73 (Eng)

# Zull JE

INTERACTIONS OF PARATHYROID HORMONE AND PLASMA MEMBRANES FROM RAT KIDNEY. Malbon CG, Zull JE *Biochem Biophys Res Commun* 56:952-8, 27 Feb 74 (Eng)

# Zuppinger K

[BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD] Kaser H, Wagner HP, Zuppinger K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)

ENDOCRINE FUNCTION OF THE PANCREAS IN CYSTIC FIBROSIS: EVIDENCE FOR AN IMPAIRED GLUCAGON AND INSULIN RESPONSE FOLLOWING ARGININE INFUSION. Stahl M, Girard J, Rutishauser M, Nars PW, Zuppinger K *J Pediatr* 84:821-4, Jun 74 (Eng)

# Zurbrugg R

[BIOCHEMICAL TUMOR DIAGNOSIS IN CHILDHOOD] Kaser H, Wagner HP, Zuppinger K, Zurbrugg R *Schweiz Med Wochenschr* 104:642-5, 4 May 74 (Ger)

# Zweng HC

COMPLICATIONS OF ARGON LASER PHOTOCOAGULATION. Zweng HC, Little HL, Hammond AH *Trans Am Acad Ophthalmol Otolaryngol* 78:OP195-204, Mar-Apr 74 (Eng)

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### Zylberberg C

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#### Anonymous

NICOTINIC ACID IN THE TREATMENT OF SCHIZOPHRENIA. Anonymous *Med Lett Drugs Ther* 15:107-8, 21 Dec 73 (Eng)

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[DIAGNOSIS OF GLYCOGENOSIS] Anonymous *Paediatr Paedol* 8:88-90, 1973 (Ger)

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EDITORIAL: HYPOGLYCAEMIA AND PERSONALITY. Anonymous *Br Med J* 2:134, 20 Apr 74 (Eng)

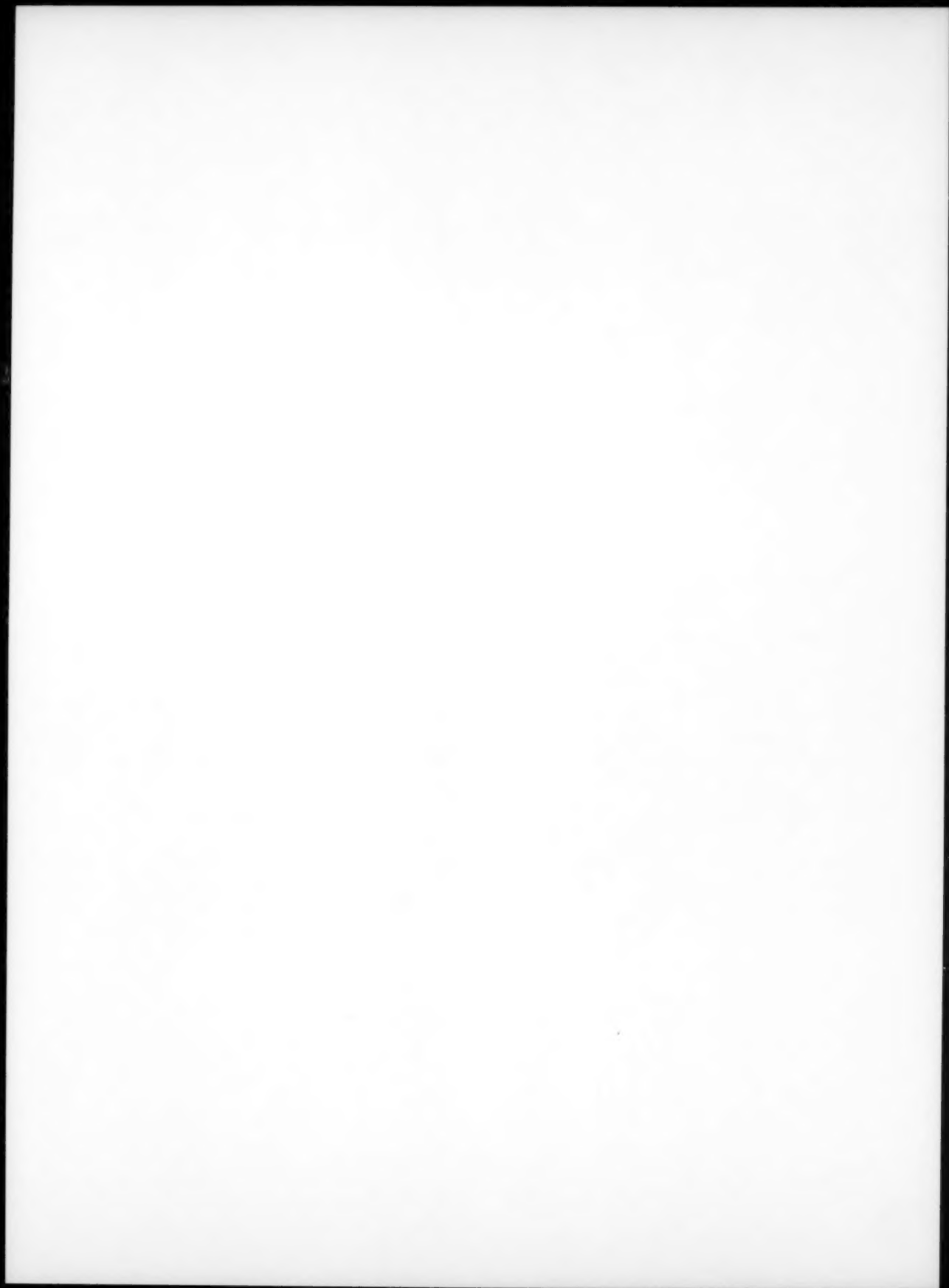
BLOOD SUGAR; HYPOGLYCEMIA (complications); MMPI; PERSONALITY; PERSONALITY DISORDERS (etiology).

[GUIDANCE OF DIABETIC CHILDREN IN THEIR DAILY ACTIVITIES] Anonymous *Jap J Nurs Art* 20:157-67, Apr 74 (Jap)

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